

'グローバル変数の宣言

Option Explicit

Const MEG_OK = &H450

Const MEG_EXCP = &H451

' 変換完了イベントメッセージ番号
' 例外発生イベントメッセージ番号

Dim Ret

As Long

' リターンコード

Dim hDrv

As Long

' ハンドル

Dim LpAinpB

As AINPB

' AINPB構造体

Dim InpMode

As Integer

' サンプリングモード

Dim InpChNo(15)

As Integer

' 変換の順番を格納する配列

Dim InpBuf(16000)

As Integer

' データ格納用配列

Dim Sts

As Integer

' AioSts() でステータスを格納します

Dim Cnt

As Long

' AioSts() でカウントを格納します

Dim Dnum

As Integer

' AioSts() でリピート回数を格納します

' プログラム起動時に実行されます

Private Sub Form_Load()

Left = (Screen.Width - Width) * 2

Top = (Screen.Height - Height) * 2

End Sub

' 変換完了イベントメッセージ(データの表示を行います)

Private Sub MsgOK_MessageEcho()

Dim i As Integer

Dim j As Integer

' ステータスの表示を行います

Ret = AioSts(hDrv, Sts, Cnt, Dnum)

StsInf = Right("00" + Hex(Sts), 2) & "h"

CntInf = Right("00000" + Hex(Cnt), 5) & "h" & "(" & Cnt & ")"

' バイナリデータを表示します

DatDsp = ""

DatDsp = DatDsp & "Cnt Ch.0 Ch.1" & Chr\$(13)

For i = 0 To LpAinpB.Scan - 1 Step 2

DatDsp = DatDsp & Right("000" + Hex(i + 1), 2) & " "

For j = 0 To 1

DatDsp = DatDsp & Right("0000" + Hex(InpBuf(i + j)), 4) & "h "

Next j

DatDsp = DatDsp & Chr\$(13)

Next i

End Sub

' 例外発生イベントメッセージ

Private Sub MsgERR_MessageEcho()

' エラーメッセージを表示します

DatDsp = ""

DatDsp = DatDsp & "Sampling NG!"

' エラー発生時のステータスを取得します

Ret = AioSts(hDrv, Sts, Cnt, Dnum)

StsInf = Right("00" + Hex(Sts), 2) & "h"

CntInf = Right("00000" + Hex(Cnt), 5) & "h" & "(" & Cnt & ")"

End Sub

' ドライバを初期化します

Private Sub Cmd_AioOpen_Click()

Ret = AioOpenEx(TxtDevice, hDrv) ' 初期化を行いデバイスハンドルを取得します

' 0以外はエラーです

RetInf = "AioOpenEx Return Code = " & Right("000" + Hex(Ret), 3) & "h"

DatDsp = ""

End Sub

' A/D変換を行います

Private Sub Cmd_AioInpBack_Click()

Dim i As Integer

StsInf = ""

```

CntInf = ""
DatDsp = ""

' ソフトウェアスタート
InpMode = 0
' 変換を行う順番を決定します
For i = 0 To 1
    InpChNo(i) = i
Next i
' 配列の先頭アドレスを代入します
LpAinpB.InpBuf = LpWord(InpBuf(0))
LpAinpB.InpChNo = LpWord(InpChNo(0))
' 2チャンネル変換します
LpAinpB.Channels = 2
' 10回変換します
LpAinpB.Scan = 10
' システムタイマを使用して変換します
LpAinpB.TimType = 0
' 100msecで変換します(10 × 10ms)
LpAinpB.Tim = 10
MsgOK.Message = MEG_OK           ' 変換完了イベントメッセージ番号
MsgERR.Message = MEG_EXCP       ' 例外発生イベントメッセージ番号

Ret = AioInpBack(hDrv, InpMode, LpAinpB, MsgOK.hWnd, MsgOK.Message, MsgERR.hWnd, MsgERR.Message)
' リターンコードを表示します
RetInf = "AioInpBack Return Code = " & Right("000" + Hex(Ret), 3) & "h"

End Sub

' 現在のステータスを取得します
Private Sub Cmd_AioSts_Click()

    Ret = AioSts(hDrv, Sts, Cnt, Dnum)
    ' リターンコードと現在のステータスを表示します
    RetInf = "AioSts Return Code = " & Right("000" + Hex(Ret), 3) & "h"
    StsInf = Right("00" + Hex(Sts), 2) & "h"
    CntInf = Right("00000" + Hex(Cnt), 5) & "h" & "(" & Cnt & ")"

End Sub

' 変換を強制終了します
Private Sub Cmd_AioStop_Click()

    Ret = AioStop(hDrv)
    ' リターンコードを表示します
    RetInf = "AioStop Return Code = " & Right("000" + Hex(Ret), 3) & "h"

End Sub

' ドライバの終了処理を行います
Private Sub Cmd_AioClose_Click()

    Ret = AioClose(hDrv)
    ' リターンコードを表示します
    RetInf = "AioClose Return Code = " & Right("000" + Hex(Ret), 3) & "h"
    DatDsp = ""

End Sub

' プログラムを終了します
Private Sub Cmd_Exit_Click()

    Ret = AioClose(hDrv)
End

End Sub

' プログラム終了時に実行されます
Private Sub Form_Unload(Cancel As Integer)

    Ret = AioClose(hDrv)
End

End Sub

```

Form1 - 1

VERSION 5.00

Object = "{3166EA23-5E02-110F-89B0-A719C585AF70}#1.0#0": "Msgecho.ocx"

Begin VB.Form Form1

Appearance = 0 'フタト
Caption = "AIBack"
ClientHeight = 4764
ClientLeft = 2988
ClientTop = 5652
ClientWidth = 6708

BeginProperty Font

Name = "System"
Size = 13.2
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

ForeColor = &H80000008&
Icon = (7122)
LinkTopic = "Form1"
PaletteMode = 1 'Z オ-ダ'-
ScaleHeight = 4764
ScaleWidth = 6708

Begin VB.TextBox TxtDevice

BeginProperty Font

Name = "Arial"
Size = 9.6
Charset = 0
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 405
Left = 4560
TabIndex = 13
Text = "A1000"
Top = 600
Width = 2055

End

Begin VB.CommandButton Cmd_AioOpen

Appearance = 0 'フタト
BackColor = &H80000005&
Caption = "AioOpenEx"

BeginProperty Font

Name = "Arial"
Size = 9.6
Charset = 0
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 375
Left = 4560
TabIndex = 0
Top = 1200
Width = 2055

End

Begin VB.CommandButton Cmd_AioInpBack

Appearance = 0 'フタト
BackColor = &H80000005&
Caption = "AioInpBack"

BeginProperty Font

Name = "Arial"
Size = 9.6
Charset = 0
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 375
Left = 4560
TabIndex = 1
Top = 1800
Width = 2055

End

```

Begin VB.CommandButton Cmd_AioSts
  Appearance = 0 '757t
  BackColor = &H80000005&
  Caption = "AioSts"
  BeginProperty Font
    Name = "Arial"
    Size = 9.6
    Charset = 0
    Weight = 400
    Underline = 0 'False
    Italic = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height = 375
  Left = 4560
  TabIndex = 2
  Top = 2400
  Width = 2055
End
Begin VB.CommandButton Cmd_AioStop
  Appearance = 0 '757t
  BackColor = &H80000005&
  Caption = "AioStop"
  BeginProperty Font
    Name = "Arial"
    Size = 9.6
    Charset = 0
    Weight = 400
    Underline = 0 'False
    Italic = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height = 375
  Left = 4560
  TabIndex = 3
  Top = 3000
  Width = 2055
End
Begin VB.CommandButton Cmd_AioGlose
  Appearance = 0 '757t
  BackColor = &H80000005&
  Caption = "AioGlose"
  BeginProperty Font
    Name = "Arial"
    Size = 9.6
    Charset = 0
    Weight = 400
    Underline = 0 'False
    Italic = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height = 390
  Left = 4560
  TabIndex = 4
  Top = 3600
  Width = 2055
End
Begin VB.CommandButton Cmd_Exit
  Appearance = 0 '757t
  BackColor = &H80000005&
  Caption = "Exit"
  BeginProperty Font
    Name = "Arial"
    Size = 9.6
    Charset = 0
    Weight = 400
    Underline = 0 'False
    Italic = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height = 390
  Left = 4560
  TabIndex = 5
  Top = 4200
  Width = 2055
End
Begin MsgechoLib.Msgecho MsgOK
  Left = 120
  Top = 3000

```

```

End
Begin MsgechoLib.Msgecho MsgERR
  Left      = 720
  Top       = 3000
End
Begin VB.Label Label15
  Caption   = "Device Name"
  BeginProperty Font
    Name     = "Arial"
    Size     = 9.6
    Charset  = 0
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height    = 255
  Left      = 4560
  TabIndex  = 14
  Top       = 240
  Width     = 1455
End
Begin VB.Label Label11
  Appearance = 0 'フラット
  BackColor  = &H80000005&
  BackStyle  = 0 '透明
  Caption    = "Ret"
  BeginProperty Font
    Name     = "Arial"
    Size     = 9.6
    Charset  = 0
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
  EndProperty
  ForeColor  = &H80000008&
  Height     = 375
  Index     = 1
  Left      = 120
  TabIndex  = 8
  Top       = 3600
  Width     = 375
End
Begin VB.Label Label12
  Appearance = 0 'フラット
  BackColor  = &H80000005&
  BackStyle  = 0 '透明
  Caption    = "Sts"
  BeginProperty Font
    Name     = "Arial"
    Size     = 9.6
    Charset  = 0
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
  EndProperty
  ForeColor  = &H80000008&
  Height     = 375
  Index     = 1
  Left      = 120
  TabIndex  = 11
  Top       = 4200
  Width     = 375
End
Begin VB.Label Label13
  Appearance = 0 'フラット
  BackColor  = &H80000005&
  BackStyle  = 0 '透明
  Caption    = "Cnt"
  BeginProperty Font
    Name     = "Arial"
    Size     = 9.6
    Charset  = 0
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
  EndProperty

```

```

EndProperty
ForeColor      = &H80000008&
Height        = 375
Index         = 1
Left          = 2040
TabIndex     = 12
Top           = 4200
Width         = 375
End
Begin VB.Label DatDsp
Appearance    = 0 ' 75x75
BackColor    = &H80000008&
BackStyle    = 0 ' 透明
BeginProperty Font
    Name      = "Arial"
    Size     = 9.6
    Charset  = 0
    Weight   = 400
    Underline = 0 ' False
    Italic   = 0 ' False
    Strikethrough = 0 ' False
EndProperty
ForeColor    = &H80000008&
Height      = 3135
Left        = 480
TabIndex    = 7
Top         = 240
Width       = 3855
End
Begin VB.Label RetInf
BackStyle    = 0 ' 透明
BorderStyle = 1 ' 実線
BeginProperty Font
    Name      = "Arial"
    Size     = 9.6
    Charset  = 0
    Weight   = 400
    Underline = 0 ' False
    Italic   = 0 ' False
    Strikethrough = 0 ' False
EndProperty
Height      = 375
Left        = 480
TabIndex    = 6
Top         = 3600
Width       = 3855
End
Begin VB.Label StsInf
BackStyle    = 0 ' 透明
BorderStyle = 1 ' 実線
BeginProperty Font
    Name      = "Arial"
    Size     = 9.6
    Charset  = 0
    Weight   = 400
    Underline = 0 ' False
    Italic   = 0 ' False
    Strikethrough = 0 ' False
EndProperty
Height      = 375
Left        = 480
TabIndex    = 9
Top         = 4200
Width       = 1095
End
Begin VB.Label CntInf
BackStyle    = 0 ' 透明
BorderStyle = 1 ' 実線
BeginProperty Font
    Name      = "Arial"
    Size     = 9.6
    Charset  = 0
    Weight   = 400
    Underline = 0 ' False
    Italic   = 0 ' False
    Strikethrough = 0 ' False
EndProperty
Height      = 375
Left        = 2400

```

Form1 - 5

TabIndex	=	10
Top	=	4200
Width	=	1935
End		
End		

Device Name



MSG MSG

Ret | _____

Sts | _____

Cnt | _____



Form2 - 1

```
Private tmpKeihoSouonnDb1 As Single  
Private tmpKeihoSouonnDb2 As Single
```

```
Private tmpKeihoSindouDb1 As Single  
Private tmpKeihoSindouDb2 As Single
```

```
Private tmpRangeSouonnDb As Single  
Private tmpRangeSindouDb As Single
```

```
Private tmphyouka1 As Integer
```

```
Private Sub Command1_Click() 'OK
```

```
KeihoSouonnDb1 = tmpKeihoSouonnDb1  
KeihoSouonnDb2 = tmpKeihoSouonnDb2  
KeihoSindouDb1 = tmpKeihoSindouDb1  
KeihoSindouDb2 = tmpKeihoSindouDb2  
RangeSouonnDb = tmpRangeSouonnDb  
RangeSindouDb = tmpRangeSindouDb
```

```
Hyouka1 = tmphyouka1
```

```
Unload Form2  
End Sub
```

```
Private Sub Command2_Click() 'キャンセル  
Unload Form2  
End Sub
```

```
Private Sub Form_Load()
```

```
tmpKeihoSouonnDb1 = KeihoSouonnDb1  
tmpKeihoSouonnDb2 = KeihoSouonnDb2  
tmpKeihoSindouDb1 = KeihoSindouDb1  
tmpKeihoSindouDb2 = KeihoSindouDb2  
tmpRangeSouonnDb = RangeSouonnDb  
tmpRangeSindouDb = RangeSindouDb
```

```
tmphyouka1 = Hyouka1  
txt警報騒音L05.Text = KeihoSouonnDb1  
txt警報騒音L10.Text = KeihoSouonnDb2  
txt警報振動L05.Text = KeihoSindouDb1  
txt警報振動L10.Text = KeihoSindouDb2
```

```
txt騒音計レンジ.Text = RangeSouonnDb  
txt振動計レンジ.Text = RangeSindouDb
```

```
txt評価時間.Text = Hyouka1
```

```
End Sub
```

```
Private Sub txt警報騒音L05_LostFocus()  
If 30 > Val(txt警報騒音L05.Text) Or Val(txt警報騒音L05.Text) > 120 Then  
MsgBox "警報管理値は30～120の範囲で入力してください。"  
txt警報騒音L05.Text = tmpKeihoSouonnDb1
```

```
Exit Sub  
End If  
tmpKeihoSouonnDb1 = Val(txt警報騒音L05.Text)
```

```
End Sub
```

```
Private Sub txt警報騒音L10_LostFocus()  
If 30 > Val(txt警報騒音L10.Text) Or Val(txt警報騒音L10.Text) > 120 Then  
MsgBox "警報管理値は30～120の範囲で入力してください。"  
txt警報騒音L10.Text = tmpKeihoSouonnDb2
```

```
Exit Sub  
End If  
tmpKeihoSouonnDb2 = Val(txt警報騒音L10.Text)
```

Form2 - 2

End Sub

```
Private Sub txt警報振動L05_LostFocus()  
If 30 > Val(txt警報振動L05.Text) Or Val(txt警報振動L05.Text) > 100 Then  
MsgBox "警報管理値は30~100の範囲で入力してください。"  
txt警報振動L05.Text = tmpKeihoSindouDb1
```

Exit Sub

End If

```
tmpKeihoSindouDb1 = Val(txt警報振動L05.Text)
```

End Sub

```
Private Sub txt警報振動L10_LostFocus()  
If 30 > Val(txt警報振動L10.Text) Or Val(txt警報振動L10.Text) > 100 Then  
MsgBox "警報管理値は30~100の範囲で入力してください。"  
txt警報振動L10.Text = tmpKeihoSindouDb2
```

Exit Sub

End If

```
tmpKeihoSindouDb2 = Val(txt警報振動L10.Text)
```

End Sub

```
Private Sub txt評価時間_LostFocus()  
If 100 > Val(txt評価時間.Text) Or Val(txt評価時間.Text) > 3600 Then  
MsgBox "警報管理値は100~3600(100ピッチ)の範囲で入力してください。"  
txt評価時間.Text = tmpyoukai
```

Exit Sub

End If

```
Dim sAAA As Single
```

```
sAAA = 100 * Int(Val(txt評価時間.Text) / 100)
```

```
txt評価時間.Text = sAAA
```

```
tmpyoukai = Val(txt評価時間.Text)
```

End Sub

```
Private Sub txt騒音計レンジ_LostFocus()  
If 80 > Val(txt騒音計レンジ.Text) Or Val(txt騒音計レンジ.Text) > 140 Then  
MsgBox "騒音計レンジ値は80~140の範囲で入力してください。"  
txt騒音計レンジ.Text = tmpRangeSouonDb
```

Exit Sub

End If

```
tmpRangeSouonDb = Val(txt騒音計レンジ.Text)
```

End Sub

```
Private Sub txt振動計レンジ_LostFocus()  
If 70 > Val(txt振動計レンジ.Text) Or Val(txt振動計レンジ.Text) > 120 Then  
MsgBox "振動計レンジ値は70~120の範囲で入力してください。"  
txt振動計レンジ.Text = tmpRangeSindouDb
```

Exit Sub

End If

```
tmpRangeSindouDb = Val(txt振動計レンジ.Text)
```

End Sub

Form2 - 1

VERSION 5.00

Begin VB.Form Form2

Caption = "各種設定"
ClientHeight = 5400
ClientLeft = 60
ClientTop = 348
ClientWidth = 8640
LinkTopic = "Form2"
ScaleHeight = 5400
ScaleWidth = 8640
StartPosition = 3 'Windows の既定値

Begin VB.TextBox txt振動計レンジ

Alignment = 1 '右揃え

BeginProperty Font

Name = "MS Pゴシック"
Size = 15.6
Charset = 128
Weight = 700
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 375
Left = 4200
TabIndex = 18
Text = "Text1"
Top = 3600
Width = 1215

End

Begin VB.TextBox txt騒音計レンジ

Alignment = 1 '右揃え

BeginProperty Font

Name = "MS Pゴシック"
Size = 15.6
Charset = 128
Weight = 700
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 375
Left = 4200
TabIndex = 17
Text = "Text1"
Top = 3000
Width = 1215

End

Begin VB.TextBox txt警報振動L10

BackColor = &H0000FFFF&

BeginProperty Font

Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 495
Left = 4800
TabIndex = 14
Text = "Text1"
Top = 720
Width = 1815

End

Begin VB.TextBox txt警報振動L05

BackColor = &H000000FF&

BeginProperty Font

Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 495
Left = 4800
TabIndex = 13

```

Text          = "Text1"
Top           = 1320
Width        = 1815
End
Begin VB.CommandButton Command2
Caption       = "キャンセル"
BeginProperty Font
    Name       = "MS Pゴシック"
    Size       = 15.6
    Charset    = 128
    Weight     = 700
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
EndProperty
Height       = 495
Left        = 6360
TabIndex    = 10
Top         = 4680
Width      = 1815
End
Begin VB.CommandButton Command1
Caption       = "OK"
BeginProperty Font
    Name       = "MS Pゴシック"
    Size       = 18
    Charset    = 128
    Weight     = 400
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
EndProperty
Height       = 495
Left        = 4800
TabIndex    = 9
Top         = 4680
Width      = 1335
End
Begin VB.TextBox txt評価時間
BeginProperty Font
    Name       = "MS Pゴシック"
    Size       = 20.4
    Charset    = 128
    Weight     = 400
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
EndProperty
Height       = 495
Left        = 3840
TabIndex    = 5
Text        = "Text1"
Top         = 2040
Width      = 1935
End
Begin VB.TextBox txt警報騒音L10
BackColor    = &H0000FFFF&
BeginProperty Font
    Name       = "MS Pゴシック"
    Size       = 20.4
    Charset    = 128
    Weight     = 400
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
EndProperty
Height       = 495
Left        = 2760
TabIndex    = 3
Text        = "Text1"
Top         = 720
Width      = 1815
End
Begin VB.TextBox txt警報騒音L05
BackColor    = &H000000FF&
BeginProperty Font
    Name       = "MS Pゴシック"
    Size       = 20.4
    Charset    = 128

```

```

    Weight      = 400
    Underline   = 0 'False
    Italic      = 0 'False
    Strikethrough = 0 'False
EndProperty
Height        = 495
Left          = 2760
TabIndex     = 0
Text         = "Text1"
Top          = 1320
Width        = 1815
End
Begin VB.Label Label12
Caption      = "/3.5V(10dB/0.5V)"
BeginProperty Font
    Name      = "MS Pゴシック"
    Size      = 15.6
    Charset   = 128
    Weight    = 700
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 375
Left        = 5520
TabIndex   = 20
Top        = 3600
Width      = 2655
End
Begin VB.Label Label11
Caption      = "/3V(10dB/0.5V)"
BeginProperty Font
    Name      = "MS Pゴシック"
    Size      = 15.6
    Charset   = 128
    Weight    = 700
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 375
Left        = 5520
TabIndex   = 19
Top        = 3000
Width      = 2415
End
Begin VB.Label Label10
Caption      = "2CH振動計レンジ (VM-52)"
BeginProperty Font
    Name      = "MS Pゴシック"
    Size      = 15.6
    Charset   = 128
    Weight    = 700
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 375
Left        = 240
TabIndex   = 16
Top        = 3600
Width      = 3975
End
Begin VB.Label Label9
Caption      = "1CH騒音計レンジ (NL-14)"
BeginProperty Font
    Name      = "MS Pゴシック"
    Size      = 15.6
    Charset   = 128
    Weight    = 700
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 375
Left        = 240
TabIndex   = 15
Top        = 3000
Width      = 3855

```

```

End
Begin VB.Label Label8
Caption = "振動"
BeginProperty Font
Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 375
Left = 5280
TabIndex = 12
Top = 240
Width = 975
End
Begin VB.Label Label7
Caption = "騒音"
BeginProperty Font
Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 375
Left = 3480
TabIndex = 11
Top = 240
Width = 975
End
Begin VB.Label Label6
Caption = "SEC"
BeginProperty Font
Name = "MS Pゴシック"
Size = 18
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 495
Left = 6600
TabIndex = 8
Top = 2040
Width = 735
End
Begin VB.Label Label5
Caption = "dB"
BeginProperty Font
Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 495
Left = 6720
TabIndex = 7
Top = 1440
Width = 495
End
Begin VB.Label Label4
Caption = "dB"
BeginProperty Font
Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

```

```
EndProperty
Height      = 495
Left        = 6720
TabIndex    = 6
Top         = 840
Width       = 495
End
Begin VB.Label Label3
BackColor   = &H80000013&
Caption     = "L05、L10評価時間"
BeginProperty Font
    Name     = "MS Pゴシック"
    Size     = 20.4
    Charset  = 128
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 495
Left        = 240
TabIndex    = 4
Top         = 2040
Width       = 3255
End
Begin VB.Label Label2
BackColor   = &H000000FF&
Caption     = "警報L05、L10"
BeginProperty Font
    Name     = "MS Pゴシック"
    Size     = 20.4
    Charset  = 128
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 495
Left        = 240
TabIndex    = 2
Top         = 1320
Width       = 2415
End
Begin VB.Label Label1
BackColor   = &H0000FFFF&
Caption     = "警報L05、L10"
BeginProperty Font
    Name     = "MS Pゴシック"
    Size     = 20.4
    Charset  = 128
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 495
Left        = 240
TabIndex    = 1
Top         = 720
Width       = 2415
End
End
```

騒音

振動

警報L05,L10

[REDACTED]

[REDACTED]

d

警報L05,L10

[REDACTED]

[REDACTED]

d

L05、L10評価時間

[REDACTED]

SEC

1CH騒音計レンジ(NL-14)

[REDACTED]

/3V(10dB/0.5V)

2CH振動計レンジ(VM-52)

[REDACTED]

/3.5V(10dB/0.5V)

[REDACTED]

[REDACTED]

Main1 - 1

Option Explicit

Const MEG_OK = &H450		' 変換完了イベントメッセージ番号
Const MEG_EXCP = &H451		' 例外発生イベントメッセージ番号
Dim LpAinpB	As AINPB	' AINPB構造体
Dim InpMode	As Integer	' サンプリングモード
Dim InpChNo(15)	As Integer	' 変換の順番を格納する配列
Dim InpBuf(72000)	As Integer	' データ格納用配列
Dim Sts	As Integer	' AioSts() でステータスを格納します
Dim Cnt	As Long	' AioSts() でカウントを格納します
Dim Dnum	As Integer	' AioSts() でリポート回数を格納します

' Private MsgOkFlg As Boolean

Private ModeRS1 As Integer, ModeRS2 As Integer
Private EndFlag As Boolean
Private OneTimeStartFlag As Boolean
Dim TimePoint As Long

Private FormBackColorFlg As Boolean
Private DataWriteFlg As Boolean

Private vData(100000, 1) As Single
Private vDataCount As Long
Private KeihoFlg As Integer

Dim Ret As Long
Dim Ret2 As Long

Dim i As Integer
Dim ij As Long
Dim hDrv As Long
Dim hDrv2 As Long
Dim Buf As Byte
Dim PortNo As Integer
Dim BitNo As Integer

' 変換完了イベントメッセージ(データの表示を行います)

Private Sub MsgOK_MessageEcho()

Exit Sub

Dim i As Integer
Dim j As Integer

' ステータスの表示を行います

Ret = AioSts(hDrv, Sts, Cnt, Dnum)

StsInf = Right("00" + Hex(Sts), 2) & "h"

CntInf = Right("00000" + Hex(Cnt), 5) & "h" & "(" & Cnt & ")"

' バイナリデータを表示します

DatDsp = ""

DatDsp = DatDsp & "Cnt Ch.0 Ch.1" & Chr\$(13)

For i = 0 To LpAinpB.Scan - 1 Step 2

DatDsp = DatDsp & Right("000" + Hex(i + 1), 2) & " "

For j = 0 To 1

DatDsp = DatDsp & Right("0000" + Hex(InpBuf(0 + i + j)), 4) & "h "

Next j

DatDsp = DatDsp & Chr\$(13)

Next i

' MsgOkFlg = True

End Sub

' 例外発生イベントメッセージ

Private Sub MsgERR_MessageEcho()

' エラーメッセージを表示します

DatDsp = ""

DatDsp = DatDsp & "Sampling NG!"

' エラー発生時のステータスを取得します

Ret = AioSts(hDrv, Sts, Cnt, Dnum)

StsInf = Right("00" + Hex(Sts), 2) & "h"

CntInf = Right("00000" + Hex(Cnt), 5) & "h" & "(" & Cnt & ")"

End Sub

' ドライバを初期化します

Main1 - 2

Private Sub Cmd_AioOpen_Click()

```
Ret = AioOpenEx(TxtDevice, hDrv) ' 初期化を行いデバイスハンドルを取得します
' 0以外はエラーです
RetInf = "AioOpenEx Return Code = " & Right("000" + Hex(Ret), 3) & "h"

DatDsp = ""
```

End Sub

' A/D変換を行います

Private Sub Cmd_AioInpBack_Click()

```
Dim i As Integer
```

```
StsInf = ""
CntInf = ""
DatDsp = ""
```

' ソフトウェアスタート

```
InpMode = 0
```

' 変換を行う順番を決定します

```
For i = 0 To 1
    InpChNo(i) = i
Next i
```

' 配列の先頭アドレスを代入します

```
LpAinpB.InpBuf = LpWord(InpBuf(TimePoint))
```

```
LpAinpB.InpChNo = LpWord(InpChNo(0))
```

' 2チャンネル変換します

```
LpAinpB.Channels = 2
```

' 10回変換します

```
LpAinpB.Scan = 10
```

' システムタイマを使用して変換します

```
LpAinpB.TimType = 0
```

' 100msecで変換します(10 × 10ms)

```
LpAinpB.Tim = 9.3
```

```
MsgOK.Message = MEG_OK
```

' 変換完了イベントメッセージ番号

```
MsgERR.Message = MEG_EXCP
```

' 例外発生イベントメッセージ番号

```
Ret = AioInpBack(hDrv, InpMode, LpAinpB, MsgOK.hWnd, MsgOK.Message, MsgERR.hWnd, MsgERR.Message)
```

' リターンコードを表示します

```
RetInf = "AioInpBack Return Code = " & Right("000" + Hex(Ret), 3) & "h"
```

End Sub

' 現在のステータスを取得します

Private Sub Cmd_AioSts_Click()

```
Ret = AioSts(hDrv, Sts, Cnt, Dnum)
```

' リターンコードと現在のステータスを表示します

```
RetInf = "AioSts Return Code = " & Right("000" + Hex(Ret), 3) & "h"
```

```
StsInf = Right("00" + Hex(Sts), 2) & "h"
```

```
CntInf = Right("00000" + Hex(Cnt), 5) & "h" & "(" & Cnt & ")"
```

End Sub

' 変換を強制終了します

Private Sub Cmd_AioStop_Click()

```
Ret = AioStop(hDrv)
```

' リターンコードを表示します

```
RetInf = "AioStop Return Code = " & Right("000" + Hex(Ret), 3) & "h"
```

End Sub

' ドライバの終了処理を行います

Private Sub Cmd_AioClose_Click()

```
Ret = AioClose(hDrv)
```

' リターンコードを表示します

```
RetInf = "AioClose Return Code = " & Right("000" + Hex(Ret), 3) & "h"
```

```
DatDsp = ""
```

End Sub

Private Sub Cmd_DioInpBit_Click()

Main1 - 3

```

:-----
: Set parameter
:-----
BitNo = Val (BitNoInf.Text)           ' Set bit number to BitNo
Ret2 = DioInpBit(hDrv2, BitNo, Buf)
RetInf = "DioInpBit Return Code = " & Right("000" + Hex(Ret2), 3) & "h"
:-----
: Error Check
:-----
If Ret2 <> 0 Then
    Exit Sub
End If
:-----
: Show data
:-----
BitDataInf.Text = Hex$(Buf)
End Sub

Private Sub Cmd_DioOpen_Click()
:-----
: Set parameter
:-----
Ret2 = DioOpenEx("D1000", hDrv2)
RetInf = "DioOpenEx Return Code = " & Right("000" + Hex(Ret2), 3) & "h"
:-----
: Error Check
:-----
If Ret2 <> 0 Then
    Exit Sub
End If
End Sub

Private Sub Cmd_DioInpByte_Click()
:-----
: Set parameter
:-----
PortNo = Val (PortNoInf.Text)         ' Set port number to PortNo
Ret2 = DioInpByte(hDrv2, PortNo, Buf)
RetInf = "DioInpByte Return Code = " & Right("000" + Hex(Ret2), 3) & "h"
:-----
: Error Check
:-----
If Ret2 <> 0 Then
    Exit Sub
End If
:-----
: Show data
:-----
PortDataInf.Text = Hex$(Buf)
End Sub

Private Sub Cmd_DioClose_Click()
:-----
: Close process
:-----
Ret2 = DioClose(hDrv2)                 ' Close process
RetInf = "DioClose Return Code = " & Right("000" + Hex(Ret2), 3) & "h"
End Sub

Private Sub Cmd_DioOutBit_Click()
:-----
: Set parameter
:-----
BitNo = Val (BitNoInf.Text)           ' Set bit number to BitNo
Buf = Val("&H" + BitDataInf.Text)     ' Output data
Ret2 = DioOutBit(hDrv2, BitNo, Buf)
RetInf = "DioOutBit Return Code = " & Right("000" + Hex(Ret2), 3) & "h"
:-----
: Error Check
:-----
If Ret2 <> 0 Then
    Exit Sub
End If
End Sub

Private Sub Cmd_DioOutByte_Click()
:-----
: Set parameter
:-----
```

Main1 - 4

```
PortNo = Val (PortNoInf.Text)           ' Set port number to PortNo
Buf = Val ("&H" + PortDataInf.Text)     ' Output data
Ret2 = DioOutByte (hDrv2, PortNo, Buf)
RetInf = "DioOutByte Return Code = " & Right ("000" + Hex (Ret2), 3) & "h"
'-----
' Error Check
'-----
If Ret2 <> 0 Then
    Exit Sub
End If
End Sub

Private Sub Gmd_Exit_Click ()
'-----
' Close process
'-----
Ret2 = DioClose (hDrv2)                 ' Close process
Ret = AioClose (hDrv)
End
End Sub

Private Sub Form_Unload (Cancel As Integer)
    MSComm1.Output = Chr (2) & Chr (1) & "GRMTO" & Chr (3) & Chr (0) & vbCr & vbLf
    MSComm2.Output = "RMT0" + vbCr + vbLf
    Ret = AioClose (hDrv)
    SaveSetting "騒音警報プログラム", "設定", "警報騒音1", KeihoSouonnDb1
    SaveSetting "騒音警報プログラム", "設定", "警報騒音2", KeihoSouonnDb2
    SaveSetting "騒音警報プログラム", "設定", "警報振動1", KeihoSindouDb1
    SaveSetting "騒音警報プログラム", "設定", "警報振動2", KeihoSindouDb2
    SaveSetting "騒音警報プログラム", "設定", "騒音レンジ", RangeSouonnDb
    SaveSetting "騒音警報プログラム", "設定", "振動レンジ", RangeSindouDb

    SaveSetting "騒音警報プログラム", "設定", "評価時間", Hyouka1

    If Val (PortDataInf.Text) > 0 Then ' 回転等 消灯
        Gmd_DioOpen_Click
        PortDataInf.Text = "0"
        Gmd_DioOutByte_Click
        Gmd_DioClose_Click
    End If

'-----
' Close process
'-----
Ret2 = DioClose (hDrv2)                 ' Close process
End
End Sub

Private Sub Command1_Click () '-----設定
    If Timer1.Enabled = True Then
        MsgBox "設定変更は計測中は出来ません。"
    End If
End Sub

Load Form2
Form2.Show 1
    警報騒音1.Caption = Format (KeihoSouonnDb1, "#00.0")
    警報騒音2.Caption = Format (KeihoSouonnDb2, "#00.0")

    警報振動1.Caption = Format (KeihoSindouDb1, "#00.0")
    警報振動2.Caption = Format (KeihoSindouDb2, "#00.0")

    評価Time.Caption = Format (Hyouka1, "#000")

End Sub
```

End Sub

Main1 - 5

```
Private Sub Command2_Click() '-----終了
    EndFlag = True
    OneTimeStartFlag = False

    Timer1.Enabled = False
    If Val (PortDataInf.Text) > 0 Then '回転等 消灯
        Cmd_DioOpen_Click
        PortDataInf.Text = "0"
        Cmd_DioOutByte_Click
        Cmd_DioClose_Click
    End If
End Sub
```

Exit Sub

```
'-----データ保存
Dim FileNameCSV As String
Dim FileNo As Integer
FileNameCSV = Format(Date, "yyyymmdd")
FileNameCSV = "C:\共有\騒音監視\data\" & FileNameCSV & Format(Time, "hhmm") & ".CSV"
FileNo = FreeFile()
Open FileNameCSV For Output As #FileNo
Dim tmpBeforHh As Long
tmpBeforHh = 3600 * Int(vDataCount / 3600)
For ii = tmpBeforHh To vDataCount - 1
    DoEvents
    Write #FileNo, vData(ii, 0), vData(ii, 1)
Next ii
Close #FileNo
```

```
..... ModeRS1 = 9
..... End If

..... If ModeRS2 = 6 Then
.....     MSComm2.Output = "RMT0" + vbCr + vbLf
.....     ModeRS2 = 9
..... End If
```

End Sub

```
Private Sub Command3_Click() '-----開始
    Dim i As Integer
    If OneTimeStartFlag = True Then
        MsgBox "すでに開始しています"
        Exit Sub
    End If
    EndFlag = False
```

```
.....
..... ModeRS1 = 0
..... ModeRS2 = 0
..... MSComm1.PortOpen = False
..... MSComm2.PortOpen = False
```

```
..... MSComm1.PortOpen = True
..... ModeRS1 = 0
..... Dim BCC1 As String
..... BCC1 = Str(Val(Chr(2) Xor Val("f") Xor Val("C") Xor Val("R") Xor Val("M") Xor Val("T") Xor Val("1") Xor Val(Chr(3)))
..... BCC1 = Right(BCC1, 1)
..... BCC1 = Chr(&H2) & &H1 & Chr(&H43) & Chr(&H52) & Chr(&H4D) & Chr(&H54) & Chr(&H31) & Chr(&H3) & Chr(&H30) & Chr(&H30) & Chr(&HD) & Chr(&HA)
..... i = Len(BCC1)
..... MSComm1.Output = Chr(&H2) & Chr(1) & "C" & "RMT1" & Chr(&H3) & Chr(0) & Chr(&HD) & Chr(&HA)
..... Dim aaa As String
```

```
..... Do While MSComm1.InBufferCount > 0
.....     aaa = MSComm1.Input
..... Loop
OneTimeStartFlag = True
Timer1.Enabled = True
```

```

Main1 - 6

vDataCount = 0

Dim tempCount As Long
tempCount = TimeValue(Time) * 60 * 60 * 24
vDataCount = tempCount
KeihoFlg = 0
Time0 = (Val(Right(Time, 1)) + 1) Mod 10

Timer2.Enabled = False
Cmd_AioOpen_Click

End Sub

Private Sub Command4_Click() '-----工場出荷に戻す
    MSComm1.Output = Chr(2) & Chr(1) & "CDGL" & Chr(3) & Chr(0) & vbCrLf & vbCrLf
    Dim aaa As String
    Dim i As Integer
    For i = 0 To 30000
        Next i
        Do While MSComm1.InBufferCount > 0
            aaa = aaa + MSComm1.Input
            For i = 0 To 30000
                Next i
            Loop
        End Sub

Private Sub Form_Load()
    '-----
    ' Initialized data
    '-----
    Text_DeviceName.Text = "D1000"
    PortNoInf.Text = 0 ' Set the port number to input/output data (Default)
    BitNoInf.Text = 0 ' Set the bit number to input/output data (Default)
    Centering
    Left = (Screen.Width - Width) / 2
    Top = (Screen.Height - Height) / 2

    Timer1.Enabled = False
    Timer1.Interval = 1
    MSComm1.PortOpen = True
    ModeRS1 = 0
    lbl騒音計LA = "0.0"
    lbl騒音計L05 = "0.0"
    KeihoSouonnDb1 = GetSetting("騒音警報プログラム", "設定", "警報騒音1", 75#)
    KeihoSouonnDb2 = GetSetting("騒音警報プログラム", "設定", "警報騒音2", 85#)
    KeihoSindouDb1 = GetSetting("騒音警報プログラム", "設定", "警報振動1", 60#)
    KeihoSindouDb2 = GetSetting("騒音警報プログラム", "設定", "警報振動2", 75#)
    RangeSouonnDb = GetSetting("騒音警報プログラム", "設定", "騒音レンジ", 110#)
    RangeSindouDb = GetSetting("騒音警報プログラム", "設定", "振動レンジ", 80#)

    Hyouka1 = GetSetting("騒音警報プログラム", "設定", "評価時間", 100#)

    Command4_Click '-----工場出荷に戻す

    警報騒音1.Caption = Format(KeihoSouonnDb1, "#00.0")
    警報騒音2.Caption = Format(KeihoSouonnDb2, "#00.0")
    警報振動1.Caption = Format(KeihoSindouDb1, "#00.0")
    警報振動2.Caption = Format(KeihoSindouDb2, "#00.0")

    評価Time.Caption = Format(Hyouka1, "#000")
    FormBackColorFlg = False
    DataWriteFlg = False
    Timer2.Interval = 1000
    Timer2.Enabled = True

    On Error GoTo Error
    MkDir "c:\共有"
    MkDir "c:\共有\騒音振動監視"
    MkDir "c:\共有\騒音振動監視\data"
    OneTimeStartFlag = False

```

Main1 - 7

Exit Sub

Error:

End Sub

Private Sub Timer2_Timer()

Static ttimer2Count As Long

If ttimer2Count > 100 Then

Command3_Click

Timer2.Enabled = False

End If

ttimer2Count = ttimer2Count + 1

End Sub

Private Sub Timer1_Timer()

Static WDTCount As Integer

Exit Sub

If Right(Time, 1) = Time0 Then

TimePoint = (Val(Left(Right(Time, 5), 2)) * 600 + Val(Right(Time, 2)) * 10) + 2

Cmd_AioInpBack_Click

Syor11

Time0 = (Time0 + 1) Mod 10

WDTCount = 0

MsgOkFlg = False

End If

WDTCount = WDTCount + 1

If WDTCount > 2000 Then Text2.BackColor = RGB(255, 0, 0)

End Sub

Private Sub Syori1()

Dim aaa As String

Dim aaalen As Integer

Static tmpDataS(3600) As Single

Static tmpDataV(3600) As Single

Static tmpDataCountS(3600) As Long

Static tmpDataCountV(3600) As Long

Static tmpDataNow As Integer

Static tmpDataBefore As Integer

Static tmpDataSerNo As Integer

Static tmpOneLoop As Boolean

Dim tmpMaxInpBuf1Sec0 As Integer

Dim tmpMaxInpBuf1Sec1 As Integer

Dim tmpDataSerNo0 As Integer

Dim tmpData0 As Single

Dim tmpData1 As Single

Dim tmpDataCount0 As Long

Dim tmpDataCount1 As Long

Dim tmpL05Count As Integer

Dim tmpL10Count As Integer

MSComm1.Output = Chr(2) & Chr(1) & "C" & "D00?" & Chr(&H3) & Chr(0) & vbCrLf & vbCrLf

aaa = ""

Do While MSComm1.InBufferCount > 0

aaa = aaa + MSComm1.Input

Loop

If TimePoint = 0 Then TimePoint = 72000 - 20

If TimePoint = 20 Then TimePoint = 72000

tmpMaxInpBuf1Sec0 = InpBuf(TimePoint - 20)

For i = 2 To 18 Step 2

If tmpMaxInpBuf1Sec0 > InpBuf(TimePoint - 20 + i) Then tmpMaxInpBuf1Sec0 = InpBuf(TimePoint - 20 + i)

Next i

tmpMaxInpBuf1Sec1 = InpBuf(TimePoint - 20 + 1)

For i = 3 To 19 Step 2

If tmpMaxInpBuf1Sec1 > InpBuf(TimePoint - 20 + i) Then tmpMaxInpBuf1Sec1 = InpBuf(TimePoint - 20 + i)

Next i

If tmpMaxInpBuf1Sec0 >= 0 Then

Main1 - 8

```
    Ibl騒音計LA = Int(((tmpMaxInpBuf1Sec0 - 32768) / 3276.8 * 20 + (RangeSouonnDb - 70)) * 10) / 10
Else
    Ibl騒音計LA = Int(((tmpMaxInpBuf1Sec0 + 32768) / 3276.8 * 20 + (RangeSouonnDb - 70)) * 10) / 10
End If

If tmpMaxInpBuf1Sec1 >= 0 Then
    Ibl振動計LA = Int(((tmpMaxInpBuf1Sec1 - 32768) / 3276.8 * 20 + (RangeSindouDb - 60)) * 10) / 10
Else
    Ibl振動計LA = Int(((tmpMaxInpBuf1Sec1 + 32768) / 3276.8 * 20 + (RangeSindouDb - 60)) * 10) / 10
End If

' If Val(Ibl騒音計LA) = 0 Then
'     MSComm1.Output = Chr(2) & Chr(1) & "C" & "0000?" & Chr(&H3) & Chr(0) & vbCrLf & vbCrLf
'     aaa = ""
'     Do While MSComm1.InBufferCount > 0
'         aaa = aaa + MSComm1.Input
'     Loop
'     Ibl騒音計LA = Mid(aaa, 4, 5)
' End If

vData(vDataCount, 0) = Val(Ibl騒音計LA)
vData(vDataCount, 1) = Val(Ibl振動計LA)

' If vDataCount < 100 Then Exit Sub
```

騒音L05L10計算

```
Dim LastCount As Integer
If OneTimeStartFlag = True Then '1回目のみの処理
    tmpDataSerNo = 0
    OneTimeStartFlag = False
    tmpDataS(tmpDataSerNo) = vData(vDataCount, 0)
    tmpDataCountS(tmpDataSerNo) = vDataCount
    tmpOneLoop = True
    tmpDataNow = Right(Time, 1)
    GoTo INCLIMENT
End If
tmpDataNow = (tmpDataNow) Mod 10
If Right(TimePoint / 20, 1) <> tmpDataNow Then
    Text1.BackColor = RGB(255, 0, 0)
Else
    Text1.BackColor = &H8000000F
End If
If tmpOneLoop = True Then '1周回のみ処理
    tmpDataS(tmpDataSerNo) = vData(vDataCount, 0)
    tmpDataCountS(tmpDataSerNo) = vDataCount
    tmpDataSerNo0 = tmpDataSerNo
    For i = tmpDataSerNo - 1 To 0 Step -1
        If tmpDataS(i) < tmpDataS(i + 1) Then
            tmpData0 = tmpDataS(i)
            tmpData1 = tmpDataS(i + 1)
            tmpDataS(i) = tmpData1
            tmpDataS(i + 1) = tmpData0
            tmpDataCount0 = tmpDataCountS(i)
            tmpDataCount1 = tmpDataCountS(i + 1)
            tmpDataCountS(i) = tmpDataCount1
            tmpDataCountS(i + 1) = tmpDataCount0
        End If
    Next i
Else
    tmpDataCount0 = tmpDataCountS(0)
    For i = 0 To Hyouka1 - 1 - i
        If tmpDataCount0 > tmpDataCountS(i + 1) Then
            tmpDataCount0 = tmpDataCountS(i + 1)
            LastCount = i + 1
        End If
    Next i
    tmpDataS(LastCount) = vData(vDataCount, 0)
    tmpDataCountS(LastCount) = vDataCount
    tmpDataSerNo0 = tmpDataSerNo

    If LastCount = 0 Then
        i = i
    ElseIf tmpDataS(LastCount) = tmpDataS(LastCount - 1) Then
        i = i
    End If
End If
```



```

Elseif tmpDataS>LastCount) > tmpDataS>LastCount - 1) Then
  For i = LastCount - 1 To 0 Step -1
    If tmpDataS(i) < tmpDataS(i + 1) Then
      tmpData0 = tmpDataS(i)
      tmpData1 = tmpDataS(i + 1)
      tmpDataS(i) = tmpData1
      tmpDataS(i + 1) = tmpData0
      tmpDataCount0 = tmpDataCountS(i)
      tmpDataCount1 = tmpDataCountS(i + 1)
      tmpDataCountS(i) = tmpDataCount1
      tmpDataCountS(i + 1) = tmpDataCount0
    End If
  Next i
Elseif tmpDataS>LastCount) < tmpDataS>LastCount - 1) Then
  For i = LastCount To Hyouka1 - 1
    If tmpDataS(i) < tmpDataS(i + 1) Then
      tmpData0 = tmpDataS(i)
      tmpData1 = tmpDataS(i + 1)
      tmpDataS(i) = tmpData1
      tmpDataS(i + 1) = tmpData0
      tmpDataCount0 = tmpDataCountS(i)
      tmpDataCount1 = tmpDataCountS(i + 1)
      tmpDataCountS(i) = tmpDataCount1
      tmpDataCountS(i + 1) = tmpDataCount0
    End If
  Next i
End If
tmpL05Count = Int(Hyouka1 * 0.05)
tmpL10Count = Int(Hyouka1 * 0.1)
|b|騒音計L05 = Format(tmpDataS(tmpL05Count), "#00.0")
|b|騒音計L10 = Format(tmpDataS(tmpL10Count), "#00.0")
----- 振動L05L10計算
If OneTimeStartFlag = True Then '1回目のみの処理
  tmpDataSerNo = 0
  OneTimeStartFlag = False
  tmpDataV(tmpDataSerNo) = vData(vDataCount, 1)
  tmpDataCountV(tmpDataSerNo) = vDataCount
  tmpOneLoop = True
  GoTo INCLIMENT
End If
tmpDataNow = (tmpDataNow + 1) Mod 10
If tmpOneLoop = True Then '1周回のみの処理
  tmpDataV(tmpDataSerNo) = vData(vDataCount, 1)
  tmpDataCountV(tmpDataSerNo) = vDataCount
  tmpDataSerNo0 = tmpDataSerNo
  For i = tmpDataSerNo - 1 To 0 Step -1
    If tmpDataV(i) < tmpDataV(i + 1) Then
      tmpData0 = tmpDataV(i)
      tmpData1 = tmpDataV(i + 1)
      tmpDataV(i) = tmpData1
      tmpDataV(i + 1) = tmpData0
      tmpDataCount0 = tmpDataCountV(i)
      tmpDataCount1 = tmpDataCountV(i + 1)
      tmpDataCountV(i) = tmpDataCount1
      tmpDataCountV(i + 1) = tmpDataCount0
    End If
  Next i
Else
  Dim LastCount As Integer
  tmpDataCount0 = tmpDataCountV(0)
  For i = 0 To Hyouka1 - 1 - 1
    If tmpDataCount0 > tmpDataCountV(i + 1) Then
      tmpDataCount0 = tmpDataCountV(i + 1)
      LastCount = i + 1
    End If
  Next i
  tmpDataV>LastCount) = vData(vDataCount, 1)
  tmpDataCountV>LastCount) = vDataCount
  tmpDataSerNo0 = tmpDataSerNo
  If LastCount = 0 Then
    i = i
  ElseIf tmpDataV>LastCount) = tmpDataV>LastCount - 1) Then
    i = i
  ElseIf tmpDataV>LastCount) > tmpDataV>LastCount - 1) Then
    For i = LastCount - 1 To 0 Step -1
      If tmpDataV(i) < tmpDataV(i + 1) Then

```

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```
        tmpData0 = tmpDataV(i)
        tmpData1 = tmpDataV(i + 1)
        tmpDataV(i) = tmpData1
        tmpDataV(i + 1) = tmpData0
        tmpDataCount0 = tmpDataCountV(i)
        tmpDataCount1 = tmpDataCountV(i + 1)
        tmpDataCountV(i) = tmpDataCount1
        tmpDataCountV(i + 1) = tmpDataCount0
    End If
Next i
ElseIf tmpDataV>LastCount) < tmpDataV>LastCount - 1) Then
    For i = LastCount To Hyouka1 - 1
        If tmpDataV(i) < tmpDataV(i + 1) Then
            tmpData0 = tmpDataV(i)
            tmpData1 = tmpDataV(i + 1)
            tmpDataV(i) = tmpData1
            tmpDataV(i + 1) = tmpData0
            tmpDataCount0 = tmpDataCountV(i)
            tmpDataCount1 = tmpDataCountV(i + 1)
            tmpDataCountV(i) = tmpDataCount1
            tmpDataCountV(i + 1) = tmpDataCount0
        End If
    Next i
End If
' tmpL05Count = Int(Hyouka1 * 0.05)
' tmpL10Count = Int(Hyouka1 * 0.1)
' |b|騒動計L05 = Format(tmpDataV(tmpL05Count), "#00.0")
' |b|騒動計L10 = Format(tmpDataV(tmpL10Count), "#00.0")
```

```
' tmpDataCountS(3600) = vDataCount
'' If vDataCount < Hyouka1 Then
''     For i = 0 To vDataCount
''         tmpDataS(i) = vData(85400 - vDataCount + i, 0)
''     Next i
''     For i = vDataCount + 1 To Hyouka1 - 1
''         tmpDataS(i) = vData(vDataCount - Hyouka1 - 1 + i, 0)
''     Next i
'' Else
''     For i = 0 To Hyouka1 - 1
''         tmpDataS(i) = vData(vDataCount - Hyouka1 - 1 + i, 0)
''     Next i
'' End If
'' Dim L05Count As Integer
'' L05Count = Int((Hyouka1 - 1) * 0.05)
'' For i = 0 To Hyouka1 - 2
''     If tmpDataS(i) > tmpDataS(i + 1) Then
''         tmpData0 = tmpDataS(i)
''         tmpData1 = tmpDataS(i + 1)
''         tmpDataS(i) = tmpData1
''         tmpDataS(i + 1) = tmpData0
''     End If
'' Next i
```

————— 警報判別

```
If Val(|b|騒音計L05) >= KeihoSouonnDb2 Then
    KeihoFlg = KeihoFlg Or &H1
Else
    KeihoFlg = KeihoFlg And &HE
End If
If Val(|b|騒動計L10) >= KeihoSindouDb2 Then
    KeihoFlg = KeihoFlg Or &H2
Else
    KeihoFlg = KeihoFlg And &HD
End If
If Val(|b|騒音計L05) >= KeihoSouonnDb1 Then
    KeihoFlg = KeihoFlg Or &H4
Else
    KeihoFlg = KeihoFlg And &HB
```

```

Main1 - 11
End If
If Val(Ibl振動計L10) >= KeihoSindouDb1 Then
    KeihoFlg = KeihoFlg Or &H8
Else
    KeihoFlg = KeihoFlg And &H7
End If

If (KeihoFlg > 3) And ((KeihoFlg And &H3) > 0) Then
    Cmd_DioOpen_Click
    PortDataInf.Text = "3"
    Cmd_DioOutByte_Click
    Cmd_DioClose_Click
Elseif (KeihoFlg > 3) And ((KeihoFlg And &H3) = 0) Then
    Cmd_DioOpen_Click
    PortDataInf.Text = "2"
    Cmd_DioOutByte_Click
    Cmd_DioClose_Click
Elseif KeihoFlg And &H10 > 0 Then
    Cmd_DioOpen_Click
    PortDataInf.Text = "1"
    Cmd_DioOutByte_Click
    Cmd_DioClose_Click
Else
    Cmd_DioOpen_Click
    PortDataInf.Text = "0"
    Cmd_DioOutByte_Click
    Cmd_DioClose_Click
End If

If FormBackColorFlg = False Then
    Main1.BackColor = &H800000F
    FormBackColorFlg = True
Else
    Main1.BackColor = RGB(255, 0, 0)
    FormBackColorFlg = False
End If
If Val(PortDataInf.Text) < 3 Then '回転等 赤黄点灯
    Cmd_DioOpen_Click
    PortDataInf.Text = "3"
    Cmd_DioOutByte_Click
    Cmd_DioClose_Click
End If

If FormBackColorFlg = False Then
    Main1.BackColor = &H800000F
    FormBackColorFlg = True
Else
    Main1.BackColor = RGB(255, 255, 0)
    FormBackColorFlg = False
End If
If Val(PortDataInf.Text) < 1 Or Val(PortDataInf.Text) = 3 Then '回転等 黄点灯
    Cmd_DioOpen_Click
    PortDataInf.Text = "1"
    Cmd_DioOutByte_Click
    Cmd_DioClose_Click
End If
Else
    Main1.BackColor = &H800000F
    FormBackColorFlg = False
If Val(PortDataInf.Text) > 0 Then '回転等 消灯
    Cmd_DioOpen_Click
    PortDataInf.Text = "0"
    Cmd_DioOutByte_Click
    Cmd_DioClose_Click
End If
End If

If Val(Right(Time, 1)) <> (TimePoint / 20) Mod 10 Then
    Text1.BackColor = RGB(255, 0, 0)
End If

-----data保存 毎正時
If (Right(Time, 5) = "59:50" Or Right(Time, 5) = "59:51") And DataWriteFlg = False Then
    Dim FileNameCSV As String
    Dim FileNo As Integer
    Dim wData(3600, 1) As Single

```

Main1 - 12

```
Dim FileNameCSV As String
FileNameCSV = Format(Date, "yyyymmdd")
FileNameCSV = "C:\共有\騒音振動監視\data\" & FileNameCSV & Format(Time, "hh") & ".CSV"
FileNo = FreeFile()
Open FileNameCSV For Output As #FileNo
For ii = 0 To 35899
    If InpBuf(ii * 2) >= 0 Then
        wData(ii, 0) = Int(((InpBuf(ii * 2) - 32768) / 3276.8 * 20 + (RangeSouonnDb - 70)) * 10) / 10
    Else
        wData(ii, 0) = Int(((InpBuf(ii * 2) + 32768) / 3276.8 * 20 + (RangeSouonnDb - 70)) * 10) / 10
    End If

    If InpBuf(ii * 2 + 1) >= 0 Then
        wData(ii, 1) = Int(((InpBuf(ii * 2 + 1) - 32768) / 3276.8 * 20 + (RangeSindouDb - 60)) * 10) / 10
    Else
        wData(ii, 1) = Int(((InpBuf(ii * 2 + 1) + 32768) / 3276.8 * 20 + (RangeSindouDb - 60)) * 10) / 10
    End If

Next ii
For ii = 0 To 35899
    DoEvents
    Write #FileNo, wData(ii, 0), wData(ii, 1)
Next ii
Close #FileNo

If TimeValue(Time) = 0 Or vDataCount > 86400 Then vDataCount = 0 ' カウントクリア
DataWriteFlg = True
For i = 0 To 3600
    tmpDataCountS(i) = 0
    tmpDataS(i) = 0
Next i

ElseIf Left(Right(Time, 5), 4) = "00:0" And DataWriteFlg = True Then
    DataWriteFlg = False
End If

INCLIMENT:
各種カウンタをインクリメント
If tmpDataSerNo >= Hyouka1 - 1 Then
    If tmpOneLoop = True Then
        tmpOneLoop = False
        tmpDataSerNo = 0
    Else
        tmpDataSerNo = 0
    End If
Else
    tmpDataSerNo = tmpDataSerNo + 1
End If
vDataCount = vDataCount + 1
Exit Sub

ERRRR:
MsgBox "error"

'Label5.Caption = Format(Rnd * 100, "##0.0")
'Label6.Caption = Format(Rnd * 100, "##0.0")
End Sub
```

Main1 - 1

VERSION 5.00

Object = "{648A5603-2C6E-101B-82B6-00000000014}#1.1#0": "mscomm32.ocx"

Object = "{3166EA23-5E02-11CF-89B0-A719C585AF70}#1.0#0": "Msgecho.ocx"

Begin VB.Form Main1

Caption = "騒音振動監視プログラム"
ClientHeight = 6096
ClientLeft = 168
ClientTop = 456
ClientWidth = 9108
LinkTopic = "Form1"
ScaleHeight = 6096
ScaleWidth = 9108
StartupPosition = 3 'Windows の既定値

Begin VB.Timer Timer2

Left = 7320
Top = 120

End

Begin VB.TextBox TxtDevice

BeginProperty Font

Name = "Arial"
Size = 9.6
Charset = 0
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 405
Left = 6240
TabIndex = 67
Text = "A1000"
Top = 5760
Visible = 0 'False
Width = 855

End

Begin VB.CommandButton Cmd_AioClose

Appearance = 0 'フラット
BackColor = &H80000005&
Caption = "AioClose"

BeginProperty Font

Name = "Arial"
Size = 9.6
Charset = 0
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 390
Left = 8160
TabIndex = 65
Top = 6600
Visible = 0 'False
Width = 1095

End

Begin VB.CommandButton Cmd_AioStop

Appearance = 0 'フラット
BackColor = &H80000005&
Caption = "AioStop"

BeginProperty Font

Name = "Arial"
Size = 9.6
Charset = 0
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False

EndProperty

Height = 375
Left = 7320
TabIndex = 64
Top = 6600
Visible = 0 'False
Width = 855

End

Begin VB.CommandButton Cmd_AioSts

Appearance = 0 'フラット
BackColor = &H80000005&
Caption = "AioSts"

```

BeginProperty Font
  Name       = "Arial"
  Size       = 9.6
  Charset    = 0
  Weight     = 400
  Underline  = 0 'False
  Italic     = 0 'False
  Strikethrough = 0 'False
EndProperty
Height      = 375
Left        = 6600
TabIndex   = 63
Top         = 6600
Visible     = 0 'False
Width       = 735
End
Begin VB.CommandButton Cmd_AioInpBack
  Appearance = 0 '7777
  BackColor  = &H80000005&
  Caption    = "AioInpBack"
  BeginProperty Font
    Name       = "Arial"
    Size       = 9.6
    Charset    = 0
    Weight     = 400
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height      = 375
  Left        = 5520
  TabIndex   = 62
  Top         = 6600
  Visible     = 0 'False
  Width       = 1215
End
Begin VB.CommandButton Cmd_AioOpen
  Appearance = 0 '7777
  BackColor  = &H80000005&
  Caption    = "AioOpenEx"
  BeginProperty Font
    Name       = "Arial"
    Size       = 9.6
    Charset    = 0
    Weight     = 400
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height      = 375
  Left        = 4080
  TabIndex   = 61
  Top         = 6600
  Visible     = 0 'False
  Width       = 1335
End
Begin MsgechoLib.Msgecho MsgERR
  Left       = 2520
  Top        = 0
End
Begin MsgechoLib.Msgecho MsgOK
  Left       = 1920
  Top        = 0
End
Begin VB.TextBox Text2
  Enabled    = 0 'False
  Height     = 270
  Left       = 7560
  TabIndex  = 34
  Top        = 5160
  Width     = 375
End
Begin VB.TextBox Text1
  BackColor  = &H00FFFFFF&
  Enabled    = 0 'False
  Height     = 270
  Left       = 7080
  TabIndex  = 33
  Top        = 5160

```

```
Width = 375
End
Begin VB.CommandButton Cmd_Exit
Appearance = 0 'フラット
BackColor = &H80000005&
Caption = "Exit"
Height = 345
Left = 8640
TabIndex = 28
Top = 5280
Visible = 0 'False
Width = 975
End
Begin VB.CommandButton Cmd_DioClose
Appearance = 0 'フラット
BackColor = &H80000005&
Caption = "DioClose"
Height = 255
Left = 4920
TabIndex = 27
Top = 6000
Visible = 0 'False
Width = 975
End
Begin VB.CommandButton Cmd_DioInpByte
Appearance = 0 'フラット
BackColor = &H80000005&
Caption = "DioInpByte"
Height = 255
Left = 1080
TabIndex = 26
Top = 6000
Visible = 0 'False
Width = 975
End
Begin VB.CommandButton Cmd_DioOpen
Appearance = 0 'フラット
BackColor = &H80000005&
Caption = "DioOpenEx"
Height = 255
Left = 0
TabIndex = 25
Top = 6000
Visible = 0 'False
Width = 1095
End
Begin VB.TextBox PortNoInf
Alignment = 2 '中央揃え
Appearance = 0 'フラット
Height = 285
Left = 840
TabIndex = 24
Top = 6240
Visible = 0 'False
Width = 600
End
Begin VB.TextBox PortDataInf
Alignment = 2 '中央揃え
Appearance = 0 'フラット
Height = 285
Left = 1440
TabIndex = 23
Top = 6240
Visible = 0 'False
Width = 465
End
Begin VB.TextBox BitNoInf
Alignment = 2 '中央揃え
Appearance = 0 'フラット
Height = 255
Left = 1920
TabIndex = 22
Top = 6240
Visible = 0 'False
Width = 600
End
Begin VB.TextBox BitDataInf
Alignment = 2 '中央揃え
Appearance = 0 'フラット
```

Main1 - 4

```
    Height      = 255
    Left        = 2520
    TabIndex    = 21
    Top         = 6240
    Visible     = 0 'False
    Width       = 465
End
Begin VB.CommandButton Cmd_DioOutByte
    Caption      = "DioOutByte"
    Height       = 255
    Left        = 2040
    TabIndex    = 20
    Top         = 6000
    Visible     = 0 'False
    Width       = 1095
End
Begin VB.CommandButton Cmd_DioInpBit
    Caption      = "DioInpBit"
    Height       = 255
    Left        = 3120
    TabIndex    = 19
    Top         = 6000
    Visible     = 0 'False
    Width       = 855
End
Begin VB.CommandButton Cmd_DioOutBit
    Caption      = "DioOutBit"
    Height       = 255
    Left        = 3960
    TabIndex    = 18
    Top         = 6000
    Visible     = 0 'False
    Width       = 975
End
Begin VB.TextBox Text_DeviceName
    Height       = 285
    Left        = 0
    TabIndex    = 17
    Top         = 6240
    Visible     = 0 'False
    Width       = 855
End
Begin VB.CommandButton Command4
    Caption      = "工場リセット"
    Height       = 375
    Left        = 6000
    TabIndex    = 7
    Top         = 360
    Visible     = 0 'False
    Width       = 1095
End
Begin VB.CommandButton Command3
    Caption      = "開始"
    Height       = 615
    Left        = 3000
    TabIndex    = 6
    Top         = 120
    Width       = 855
End
Begin VB.CommandButton Command2
    Caption      = "終了"
    Height       = 615
    Left        = 3960
    TabIndex    = 5
    Top         = 120
    Width       = 855
End
Begin VB.CommandButton Command1
    Caption      = "各種設定"
    Height       = 615
    Left        = 4920
    TabIndex    = 4
    Top         = 120
    Width       = 975
End
Begin MSComLib.MSComm MSComm1
    Left        = 240
    Top         = 0
    _ExtentX    = 995
```



```

_ExtentY      = 995
_Version      = 393216
DTREnable    = -1 'True
Handshaking   = 2
InBufferSize  = 256
OutBufferSize = 256
RTSEnable    = -1 'True
BaudRate     = 19200
End
Begin VB.Timer Timer1
  Left       = 1080
  Top        = 0
End
Begin VB.Label CntInf
  BackStyle  = 0 '透明
  BorderStyle = 1 '実線
  BeginProperty Font
    Name      = "Arial"
    Size      = 9.6
    Charset   = 0
    Weight    = 400
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height     = 375
  Left       = 8160
  TabIndex   = 69
  Top        = 5760
  Visible    = 0 'False
  Width      = 1455
End
Begin VB.Label StsInf
  BackStyle  = 0 '透明
  BorderStyle = 1 '実線
  BeginProperty Font
    Name      = "Arial"
    Size      = 9.6
    Charset   = 0
    Weight    = 400
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height     = 375
  Left       = 7080
  TabIndex   = 68
  Top        = 5760
  Visible    = 0 'False
  Width      = 975
End
Begin VB.Label DatDsp
  BorderStyle = 1 '実線
  BeginProperty Font
    Name      = "Arial"
    Size      = 9.6
    Charset   = 0
    Weight    = 400
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
  EndProperty
  Height     = 1215
  Left       = 240
  TabIndex   = 66
  Top        = 6960
  Visible    = 0 'False
  Width      = 3855
End
Begin VB.Label Label35
  BackStyle  = 0 '透明
  Caption    = "dB"
  BeginProperty Font
    Name      = "MS ゴシック"
    Size      = 24
    Charset   = 128
    Weight    = 400
    Underline = 0 'False
    Italic    = 0 'False
  EndProperty

```

```

    Strikethrough = 0 'False
EndProperty
Height = 495
Left = 8280
TabIndex = 60
Top = 4680
Width = 615
End
Begin VB.Label 警報振動2
Alignment = 1 '右揃え
BackColor = &H000000FF&
BorderStyle = 1 '実線
Caption = "00.0"
BeginProperty Font
Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 495
Left = 6960
TabIndex = 59
Top = 4560
Width = 1215
End
Begin VB.Label Label133
BackStyle = 0 '透明
Caption = "振動 L10 赤"
BeginProperty Font
Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 495
Left = 4800
TabIndex = 58
Top = 4560
Width = 2175
End
Begin VB.Label Label132
BackStyle = 0 '透明
Caption = "dB"
BeginProperty Font
Name = "MS Pゴシック"
Size = 24
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 495
Left = 8280
TabIndex = 57
Top = 4080
Width = 615
End
Begin VB.Label 警報騒音2
Alignment = 1 '右揃え
BackColor = &H000000FF&
BorderStyle = 1 '実線
Caption = "00.0"
BeginProperty Font
Name = "MS Pゴシック"
Size = 20.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 495

```

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```
Left      = 6960
TabIndex  = 56
Top       = 3960
Width     = 1215
End
Begin VB.Label Label4
BackStyle = 0 '透明
Caption    = "騒音 L05 赤"
BeginProperty Font
    Name      = "MS Pゴシック"
    Size      = 20.4
    Charset   = 128
    Weight    = 400
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
EndProperty
Height    = 495
Left      = 4800
TabIndex  = 55
Top       = 3960
Width     = 2175
End
Begin VB.Label Label1
BackStyle = 0 '透明
Caption    = "警報管理値"
BeginProperty Font
    Name      = "MS Pゴシック"
    Size      = 26.4
    Charset   = 128
    Weight    = 400
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
EndProperty
Height    = 615
Index     = 2
Left      = 120
TabIndex  = 54
Top       = 3240
Width     = 2895
End
Begin VB.Label Label3
BackStyle = 0 '透明
Caption    = "dB"
BeginProperty Font
    Name      = "MS Pゴシック"
    Size      = 24
    Charset   = 128
    Weight    = 400
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
EndProperty
Height    = 495
Left      = 6000
TabIndex  = 53
Top       = 1200
Width     = 615
End
Begin VB.Label Label130
BackStyle = 0 '透明
Caption    = "dB"
BeginProperty Font
    Name      = "MS Pゴシック"
    Size      = 24
    Charset   = 128
    Weight    = 400
    Underline = 0 'False
    Italic    = 0 'False
    Strikethrough = 0 'False
EndProperty
Height    = 495
Left      = 2760
TabIndex  = 52
Top       = 1200
Width     = 615
End
Begin VB.Label Label29
```

```

BackStyle      = 0 '透明
Caption        = "dB"
BeginProperty Font
  Name         = "MS Pゴシック"
  Size        = 24
  Charset     = 128
  Weight      = 400
  Underline   = 0 'False
  Italic      = 0 'False
  Strikethrough = 0 'False
EndProperty
Height        = 495
Left          = 3840
TabIndex     = 51
Top           = 4680
Width        = 615
End
Begin VB.Label Label28
BackStyle     = 0 '透明
Caption       = "dB"
BeginProperty Font
  Name        = "MS Pゴシック"
  Size       = 24
  Charset    = 128
  Weight     = 400
  Underline  = 0 'False
  Italic     = 0 'False
  Strikethrough = 0 'False
EndProperty
Height       = 495
Left        = 3840
TabIndex    = 50
Top         = 4080
Width      = 615
End
Begin VB.Label lbl振動計L100
Alignment    = 1 '右揃え
BackStyle    = 0 '透明
BorderStyle  = 1 '突線
Caption      = "00.0"
BeginProperty Font
  Name       = "MS Pゴシック"
  Size      = 26.4
  Charset   = 128
  Weight    = 400
  Underline = 0 'False
  Italic    = 0 'False
  Strikethrough = 0 'False
EndProperty
Height      = 615
Left       = 7680
TabIndex   = 49
Top        = 2280
Visible    = 0 'False
Width     = 1335
End
Begin VB.Label Label26
BackStyle    = 0 '透明
Caption      = "10"
BeginProperty Font
  Name       = "MS Pゴシック"
  Size      = 26.4
  Charset   = 128
  Weight    = 400
  Underline = 0 'False
  Italic    = 0 'False
  Strikethrough = 0 'False
EndProperty
Height      = 495
Left       = 7080
TabIndex   = 48
Top        = 2400
Visible    = 0 'False
Width     = 615
End
Begin VB.Label Label25
BackStyle    = 0 '透明
Caption      = "L"
BeginProperty Font

```

```

    Name           = "MS Pゴシック"
    Size           = 26.4
    Charset        = 128
    Weight         = 400
    Underline      = 0 'False
    Italic         = 0 'False
    Strikethrough  = 0 'False
EndProperty
Height           = 615
Left             = 6840
TabIndex        = 47
Top             = 2280
Visible         = 0 'False
Width           = 495
End
Begin VB.Label Label24
    BackStyle      = 0 '透明
    Caption        = "10"
    BeginProperty Font
        Name       = "MS Pゴシック"
        Size       = 26.4
        Charset    = 128
        Weight     = 400
        Underline  = 0 'False
        Italic     = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height        = 615
    Left         = 3960
    TabIndex     = 46
    Top         = 2400
    Width       = 615
End
Begin VB.Label Label23
    BackStyle      = 0 '透明
    Caption        = "L"
    BeginProperty Font
        Name       = "MS Pゴシック"
        Size       = 26.4
        Charset    = 128
        Weight     = 400
        Underline  = 0 'False
        Italic     = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height        = 615
    Left         = 3480
    TabIndex     = 45
    Top         = 2280
    Width       = 495
End
Begin VB.Label Label22
    BackStyle      = 0 '透明
    Caption        = "A"
    BeginProperty Font
        Name       = "MS Pゴシック"
        Size       = 26.4
        Charset    = 128
        Weight     = 400
        Underline  = 0 'False
        Italic     = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height        = 495
    Left         = 720
    TabIndex     = 44
    Top         = 2400
    Width       = 375
End
Begin VB.Label Label21
    BackStyle      = 0 '透明
    Caption        = "L"
    BeginProperty Font
        Name       = "MS Pゴシック"
        Size       = 26.4
        Charset    = 128
        Weight     = 400
        Underline  = 0 'False
        Italic     = 0 'False

```

```

    Strikethrough = 0 'False
EndProperty
Height = 735
Left = 360
TabIndex = 43
Top = 2280
Width = 375
End
Begin VB.Label lbl振動計L10
Alignment = 1 '右揃え
BackStyle = 0 '透明
BorderStyle = 1 '実線
Caption = "00.0"
BeginProperty Font
Name = "MS Pゴシック"
Size = 26.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 615
Left = 4560
TabIndex = 42
Top = 2280
Width = 1335
End
Begin VB.Label lbl振動計LA
Alignment = 1 '右揃え
BackStyle = 0 '透明
BorderStyle = 1 '実線
Caption = "00.0"
BeginProperty Font
Name = "MS Pゴシック"
Size = 26.4
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 615
Left = 1320
TabIndex = 41
Top = 2280
Width = 1335
End
Begin VB.Label Label18
BackStyle = 0 '透明
Caption = "dB"
BeginProperty Font
Name = "MS Pゴシック"
Size = 24
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty
Height = 495
Left = 9120
TabIndex = 40
Top = 2520
Visible = 0 'False
Width = 615
End
Begin VB.Label Label17
BackStyle = 0 '透明
Caption = "dB"
BeginProperty Font
Name = "MS Pゴシック"
Size = 24
Charset = 128
Weight = 400
Underline = 0 'False
Italic = 0 'False
Strikethrough = 0 'False
EndProperty

```

```

Height      = 495
Left        = 9120
TabIndex    = 39
Top         = 1200
Visible     = 0 'False
Width       = 615
End
Begin VB.Label lbl騒音計L10
Alignment   = 1 '右揃え
BackStyle   = 0 '透明
BorderStyle = 1 '実線
Caption     = "00.0"
BeginProperty Font
    Name     = "MS Pゴシック"
    Size     = 26.4
    Charset  = 128
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 615
Left        = 7680
TabIndex    = 38
Top         = 960
Visible     = 0 'False
Width       = 1335
End
Begin VB.Label Label1
BackStyle   = 0 '透明
Caption     = "振動レベル(LV)"
BeginProperty Font
    Name     = "MS Pゴシック"
    Size     = 26.4
    Charset  = 128
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 615
Index       = 1
Left        = 120
TabIndex    = 37
Top         = 1800
Width       = 3495
End
Begin VB.Label Label15
BackStyle   = 0 '透明
Caption     = "10"
BeginProperty Font
    Name     = "MS Pゴシック"
    Size     = 26.4
    Charset  = 128
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 495
Left        = 7080
TabIndex    = 36
Top         = 1080
Visible     = 0 'False
Width       = 615
End
Begin VB.Label Label13
BackStyle   = 0 '透明
Caption     = "L"
BeginProperty Font
    Name     = "MS Pゴシック"
    Size     = 26.4
    Charset  = 128
    Weight   = 400
    Underline = 0 'False
    Italic   = 0 'False
    Strikethrough = 0 'False
EndProperty
Height      = 615

```

```

Left           = 6840
TabIndex      = 35
Top           = 960
Visible       = 0 'False
Width        = 495
End
Begin VB.Label Label14
BackStyle     = 0 '透明
Caption       = "SEC"
BeginProperty Font
    Name       = "MS Pゴシック"
    Size       = 18
    Charset    = 128
    Weight     = 400
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
EndProperty
Height        = 495
Left          = 4800
TabIndex     = 32
Top          = 5280
Width        = 735
End
Begin VB.Label 評価Time
Alignment     = 1 '右揃え
BackStyle     = 0 '透明
BorderStyle   = 1 '実線
Caption       = "Label10"
BeginProperty Font
    Name       = "MS Pゴシック"
    Size       = 20.4
    Charset    = 128
    Weight     = 400
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
EndProperty
Height        = 495
Left          = 3120
TabIndex     = 31
Top          = 5280
Width        = 1575
End
Begin VB.Label Label12
BackStyle     = 0 '透明
Caption       = "L05.10評価時間"
BeginProperty Font
    Name       = "MS Pゴシック"
    Size       = 20.4
    Charset    = 128
    Weight     = 400
    Underline  = 0 'False
    Italic     = 0 'False
    Strikethrough = 0 'False
EndProperty
Height        = 495
Left          = 240
TabIndex     = 30
Top          = 5280
Width        = 2775
End
Begin VB.Label RetInf
Appearance    = 0 'フラット
BackColor     = &H80000005&
BorderStyle   = 1 '実線
ForeColor     = &H80000008&
Height        = 255
Left          = 3360
TabIndex     = 29
Top          = 6240
Visible       = 0 'False
Width        = 3615
End
Begin VB.Label Label11
BackStyle     = 0 '透明
Caption       = "dB"
BeginProperty Font
    Name       = "MS Pゴシック"

```



```

        Size           = 24
        Charset        = 128
        Weight         = 400
        Underline      = 0 'False
        Italic         = 0 'False
        Strikethrough  = 0 'False
    EndProperty
    Height           = 495
    Left             = 6000
    TabIndex         = 16
    Top              = 2400
    Width            = 615
End
Begin VB.Label Label10
    BackStyle        = 0 '透明
    Caption          = "dB"
    BeginProperty Font
        Name          = "MS Pゴシック"
        Size          = 24
        Charset       = 128
        Weight        = 400
        Underline     = 0 'False
        Italic        = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height           = 495
    Left             = 2760
    TabIndex         = 15
    Top              = 2400
    Width            = 615
End
Begin VB.Label 警報振動1
    Alignment        = 1 '右揃え
    BackColor        = &H0000FFFF&
    BorderStyle      = 1 '実線
    Caption          = "00.0"
    BeginProperty Font
        Name          = "MS Pゴシック"
        Size          = 20.4
        Charset       = 128
        Weight        = 400
        Underline     = 0 'False
        Italic        = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height           = 495
    Left             = 2520
    TabIndex         = 14
    Top              = 4560
    Width            = 1215
End
Begin VB.Label 警報騒音1
    Alignment        = 1 '右揃え
    BackColor        = &H0000FFFF&
    BorderStyle      = 1 '実線
    Caption          = "00.0"
    BeginProperty Font
        Name          = "MS Pゴシック"
        Size          = 20.4
        Charset       = 128
        Weight        = 400
        Underline     = 0 'False
        Italic        = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height           = 495
    Left             = 2520
    TabIndex         = 13
    Top              = 3960
    Width            = 1215
End
Begin VB.Label Label9
    BackStyle        = 0 '透明
    Caption          = "振動 L10 黄"
    BeginProperty Font
        Name          = "MS Pゴシック"
        Size          = 20.4
        Charset       = 128
        Weight        = 400

```

```

        Underline      = 0 'False
        Italic         = 0 'False
        Strikethrough  = 0 'False
    EndProperty
    Height            = 495
    Left              = 240
    TabIndex          = 12
    Top               = 4560
    Width             = 2775
End
Begin VB.Label Label8
    BackStyle         = 0 '透明
    Caption           = "騒音 L05 黄"
    BeginProperty Font
        Name           = "MS Pゴシック"
        Size           = 20.4
        Charset        = 128
        Weight         = 400
        Underline      = 0 'False
        Italic         = 0 'False
        Strikethrough  = 0 'False
    EndProperty
    Height            = 495
    Left              = 240
    TabIndex          = 11
    Top               = 3960
    Width             = 2775
End
Begin VB.Label Label7
    BackStyle         = 0 '透明
    Caption           = "05"
    BeginProperty Font
        Name           = "MS Pゴシック"
        Size           = 26.4
        Charset        = 128
        Weight         = 400
        Underline      = 0 'False
        Italic         = 0 'False
        Strikethrough  = 0 'False
    EndProperty
    Height            = 615
    Left              = 3960
    TabIndex          = 10
    Top               = 1080
    Width             = 615
End
Begin VB.Label Label6
    BackStyle         = 0 '透明
    Caption           = "A"
    BeginProperty Font
        Name           = "MS Pゴシック"
        Size           = 26.4
        Charset        = 128
        Weight         = 400
        Underline      = 0 'False
        Italic         = 0 'False
        Strikethrough  = 0 'False
    EndProperty
    Height            = 495
    Left              = 720
    TabIndex          = 9
    Top               = 1080
    Width             = 375
End
Begin VB.Label Label5
    BackStyle         = 0 '透明
    Caption           = "L"
    BeginProperty Font
        Name           = "MS Pゴシック"
        Size           = 26.4
        Charset        = 128
        Weight         = 400
        Underline      = 0 'False
        Italic         = 0 'False
        Strikethrough  = 0 'False
    EndProperty
    Height            = 615
    Left              = 3480
    TabIndex          = 8

```

```

    Top          = 960
    Width        = 495
End
Begin VB.Label lbl騒音計LOS
    Alignment    = 1 '右揃え
    BackStyle    = 0 '透明
    BorderStyle  = 1 '実線
    Caption      = "00.0"
    BeginProperty Font
        Name      = "MS Pゴシック"
        Size     = 26.4
        Charset  = 128
        Weight   = 400
        Underline = 0 'False
        Italic   = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height       = 615
    Left         = 4560
    TabIndex    = 3
    Top         = 960
    Width       = 1335
End
Begin VB.Label lbl騒音計LA
    Alignment    = 1 '右揃え
    BackStyle    = 0 '透明
    BorderStyle  = 1 '実線
    Caption      = "00.0"
    BeginProperty Font
        Name      = "MS Pゴシック"
        Size     = 26.4
        Charset  = 128
        Weight   = 400
        Underline = 0 'False
        Italic   = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height       = 615
    Left         = 1320
    TabIndex    = 2
    Top         = 960
    Width       = 1335
End
Begin VB.Label Label2
    BackStyle    = 0 '透明
    Caption      = "L"
    BeginProperty Font
        Name      = "MS Pゴシック"
        Size     = 26.4
        Charset  = 128
        Weight   = 400
        Underline = 0 'False
        Italic   = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height       = 735
    Left         = 360
    TabIndex    = 1
    Top         = 960
    Width       = 495
End
Begin VB.Label Label1
    BackStyle    = 0 '透明
    Caption      = "騒音レベル"
    BeginProperty Font
        Name      = "MS Pゴシック"
        Size     = 26.4
        Charset  = 128
        Weight   = 400
        Underline = 0 'False
        Italic   = 0 'False
        Strikethrough = 0 'False
    EndProperty
    Height       = 615
    Index       = 0
    Left        = 120
    TabIndex    = 0
    Top         = 360
    Width       = 2895

```



MSG MSG

騒音レベル

LA 00.0 dB L05 00.0 dB L10 00.0

振動レベル(LV)

LA 00.0 dB L10 00.0 dB L10 00.0

警報管理値

騒音 L05 黄 00.0 dB 騒音 L05 赤 00.0 dB

振動 L10 黄 00.0 dB 振動 L10 赤 00.0 dB

L05,10評価時間 Label10 SEC

```

=====
Structure
=====

```

```

*****
for AioInp
*****

```

```

Type AINP
  InpBuf      As Long
  InpChNo     As Long
  Channels    As Integer
End Type

```

```

*****
for AioInpBack
*****

```

```

Type AINPB
  InpBuf      As Long
  InpChNo     As Long
  Channels    As Integer
  Scan        As Long
  TrgType     As Integer
  Tim         As Integer
  Tim         As Integer
End Type

```

```

*****
for AioInpBdMem with InpMode = 0
*****

```

```

Type AINPM00
  InpChNo     As Long
  Channels    As Integer
  Scan        As Long
  TrgType     As Integer
  DelayNum    As Long
  ScanClk    As Integer
  SmpClk      As Long
  DataFmt     As Integer
  MemBufType As Integer
  IntFactor   As Integer
  RptNum      As Long
End Type

```

```

*****
for AioInpBdMem with InpMode = 1
*****

```

```

Type AINPM01
  InpChNo     As Long
  Channels    As Integer
  Scan        As Long
  TrgType     As Integer
  DelayNum    As Long
  ScanClk    As Integer
  SmpClk      As Long
  DataFmt     As Integer
  MemBufType As Integer
  IntFactor   As Integer
End Type

```

```

*****
for AioInpBdMem with InpMode = 2
*****

```

```

Type AINPM02
  InpChNo     As Long
  Channels    As Integer
  Scan        As Long
  ChNo       As Integer
  Level1     As Integer
  Level2     As Integer
  DelayNum    As Long
  ScanClk    As Integer
  SmpClk      As Long
  DataFmt     As Integer
  DcAcTrg    As Integer
  MemBufType As Integer
  IntFactor   As Integer
End Type

```

```

*****
for AioInpBdMem with InpMode = 3

```

APIAIO - 2

```

*****
Type AINPMD3
  InpChNo    As Long
  Channels   As Integer
  Scan       As Long
  ChNo       As Integer
  Level1     As Integer
  Level2     As Integer
  DelayNum   As Long
  ScanClk    As Integer
  SmpClk     As Long
  DataFmt    As Integer
  DcAcTrg    As Integer
  MemBufType As Integer
  IntFactor  As Integer
End Type

*****
' for AioInpBdMem with InpMode = 4
*****
Type AINPMD4
  InpChNo    As Long
  Channels   As Integer
  Scan       As Long
  ScanClk    As Integer
  SmpClk     As Long
  DataFmt    As Integer
  MemBufType As Integer
  IntFactor  As Integer
End Type

*****
' for AioReadBuf
*****
Type AREAD
  ScanNo     As Long
  ScanNum    As Long
  Buf        As Long
End Type

*****
' for AioOut
*****
Type AOUT
  OutBuf     As Long
  OutChNo    As Long
  Channels    As Integer
End Type

*****
' for AioOutBack
*****
Type AOUTB
  OutBuf     As Long
  OutChNo    As Long
  Channels    As Integer
  Dat        As Integer
  Rept       As Long
  TimType    As Integer
  Tim        As Integer
End Type

=====
Function declare
=====
*****
API-AIO FUNCTION
*****
Declare Function AioOpen Lib "ApiAio.DLL" (hDrv As Long, ByVal DrvNo As Integer, ByVal GrpNo As Integer) As Long
Declare Function AioInp Lib "ApiAio.DLL" (ByVal hDrv As Long, LpAInp As Any) As Long
Declare Function AioInpBack Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal InpMode As Integer, LpAInpB As Any, ByVal hOK As Long, ByVal wMegOK As Integer, ByVal hExp As Long, ByVal wMegExp As Integer) As Long
Declare Function AioInpBdMem Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal InpMode As Integer, LpAInp As Any, ByVal hOK As Long, ByVal wMegOK As Integer, ByVal hExp As Long, ByVal wMegExp As Integer) As Long
Declare Function AioReadBuf Lib "ApiAio.DLL" (ByVal hDrv As Long, LpARead As Any) As Long
Declare Function AioSetGain Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal GainCh As Integer, ByVal Gain As Integer) As Long
Declare Function AioOut Lib "ApiAio.DLL" (ByVal hDrv As Long, LpAOut As Any) As Long
Declare Function AioOutBack Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal OutMode As Integer, LpAOutB As Any, ByVal

```

```

I hOK As Long, ByVal wMegOK As Integer, ByVal hExp As Long, ByVal wMegExp As Integer) As Long
Declare Function AioRange Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal RangeChNo As Any, ByVal Range As Any, ByVal RangeChNum As Integer) As Long
Declare Function AioRelay Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal SetMode As Integer, ByVal SetNo As Any, ByVal Control As Integer, ByVal SetNum As Integer) As Long
Declare Function AioDI Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal BoardNo As Integer, DiData As Integer) As Long
Declare Function AioDO Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal BoardNo As Integer, ByVal DoData As Integer) As Long
Declare Function AioSts Lib "ApiAio.DLL" (ByVal hDrv As Long, Sts As Integer, Cnt As Long, Dnum As Integer) As Long
Declare Function AioStop Lib "ApiAio.DLL" (ByVal hDrv As Long) As Long
Declare Function AioClose Lib "ApiAio.DLL" (ByVal hDrv As Long) As Long
Declare Function AioIsDataReady Lib "ApiAio.DLL" (ByVal hDrv As Long, flag As Integer) As Long

Declare Function BinaryToVI Lib "ApiAio.DLL" (ByVal RangMin As Single, ByVal RangMax As Single, ByVal Gain As Integer, ByVal Bits As Integer, ByVal BinaryData As Integer) As Single
Declare Function VItoBinary Lib "ApiAio.DLL" (ByVal RangMin As Single, ByVal RangMax As Single, ByVal Gain As Integer, ByVal Bits As Integer, ByVal Volt As Single) As Integer

Declare Function AioOpenCntGate Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal hOK As Long, ByVal wMegOK As Integer) As Long
Declare Function AioCloseCntGate Lib "ApiAio.DLL" (ByVal hDrv As Long) As Long
Declare Function AioSetCntData Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal Cnt As Byte, ByVal data As Long) As Long
Declare Function AioGetCntData Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal Cnt As Byte, data As Long) As Long
Declare Function AioGetCntSts Lib "ApiAio.DLL" (ByVal hDrv As Long, Sts As Byte) As Long
Declare Function AioResetCntSts Lib "ApiAio.DLL" (ByVal hDrv As Long) As Long
Declare Function AioSetCntCommand Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal data As Byte) As Long
Declare Function AioIsCntDataReady Lib "ApiAio.DLL" (ByVal hDrv As Long, flag As Byte) As Long
Declare Function AioLatchCntData Lib "ApiAio.DLL" (ByVal hDrv As Long) As Long
Declare Function AioSetCntDataB Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal Cnt As Byte, ByVal data As Integer) As Long
Declare Function AioGetCntDataB Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal Cnt As Byte, data As Integer) As Long
Declare Function AioOpenEx Lib "ApiAio.DLL" (ByVal opDeviceName As String, hDrv As Long) As Long
Declare Function AioSetRange Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal Mode As Byte, ByVal ChType As Byte, ByVal Channel As Integer, ByVal Range As Integer) As Long
Declare Function AioGetRange Lib "ApiAio.DLL" (ByVal hDrv As Long, ByVal Mode As Byte, ByVal ChType As Byte, ByVal Channel As Integer, ByRef Range As Integer) As Long

' *****
' API-TOOL COMMON FUNCTION
' *****
Declare Function LpByte Lib "VBAdd32.dll" (param As Byte) As Long
Declare Function LpWord Lib "VBAdd32.dll" (param As Integer) As Long
Declare Function LpDWord Lib "VBAdd32.dll" (param As Long) As Long
Declare Function LpStr Lib "VBAdd32.dll" (ByVal param As String) As Long

```

APIDIO - 1

```
Type DINP
  InpPortNo As Long
  PortNum   As Integer
  Buf       As Long
End Type
```

```
Type DINPB
  InpPortNo As Long
  PortNum   As Integer
  DataNum   As Integer
  Buf       As Long
  Tim       As Integer
End Type
```

```
Type DBINP
  InpBitNo  As Long
  BitNum    As Integer
  Buf       As Long
End Type
```

```
Type DBINPB
  InpBitNo  As Long
  BitNum    As Integer
  DataNum   As Integer
  Buf       As Long
  Tim       As Integer
End Type
```

```
Type DOUT
  OutPortNo As Long
  PortNum   As Integer
  Buf       As Long
End Type
```

```
Type DOUTB
  OutPortNo As Long
  PortNum   As Integer
  DataNum   As Integer
  Buf       As Long
  Tim       As Integer
End Type
```

```
Type DBOUT
  OutBitNo  As Long
  BitNum    As Integer
  Buf       As Long
End Type
```

```
Type DBOUTB
  OutBitNo  As Long
  BitNum    As Integer
  DataNum   As Integer
  Buf       As Long
  Tim       As Integer
End Type
```

```
Type DIBCD
  InpPortNo As Integer
  Figure    As Long
  Value     As Long
End Type
```

```
Type DOBCD
  OutPortNo As Integer
  Figure    As Long
  Value     As Long
End Type
```

```
Type DPTNSET
  InpPortNo As Long
  PortNum   As Integer
  StsBuf    As Long
  StsBufNum As Long
  Tim       As Integer
End Type
```

```
Type DTRGSET
  InpBitNo  As Long
```


APIDIO - 2

```

BitNum    As Integer
Buf        As Long
TrgBitNo  As Long
TrgBitNum As Integer
TrgKind   As Long
Tim       As Integer
End Type

```

```

'*****
' API-DIO(98/PC)NT. W95 FUNCTION
'*****

```

```

Declare Function DioOpen Lib "ApiDio.DLL" (hDrv As Long, ByVal DrvNo As Integer, ByVal GrpNo As Integer) As Long
Declare Function DioOpenEx Lib "ApiDio.DLL" (ByVal DeviceName As String, hDrv As Long) As Long
Declare Function DioClose Lib "ApiDio.DLL" (ByVal hDrv As Long) As Long
Declare Function DioWait Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal WaitTim As Integer) As Long
Declare Function DioWaitEx Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal WaitTim As Long) As Long
Declare Function DioSFilter Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal TimCode As Integer, ByVal InpBitNo As Integer) As Long
Declare Function DioNegative Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal flag As Integer) As Long
Declare Function Dio8255Mode Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal CNx As Integer, ByVal CtrlWord As Integer) As Long
Declare Function DioInp Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDInp As Any) As Long
Declare Function DioInpBack Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDInpB As Any, ByVal hOK As Long, ByVal DMegOK As Integer, ByVal hExcp As Long, ByVal DMegExcp As Integer) As Long
Declare Function DioBitInp Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDBInp As Any) As Long
Declare Function DioBitInpBack Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDBInpB As Any, ByVal hOK As Long, ByVal DMegOK As Integer, ByVal hExcp As Long, ByVal DMegExcp As Integer) As Long
Declare Function DioOut Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDOut As Any) As Long
Declare Function DioOutBack Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDOutB As Any, ByVal hOK As Long, ByVal DMegOK As Integer, ByVal hExcp As Long, ByVal DMegExcp As Integer) As Long
Declare Function DioBitOut Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDBOut As Any) As Long
Declare Function DioBitOutBack Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDBOutB As Any, ByVal hOK As Long, ByVal DMegOK As Integer, ByVal hExcp As Long, ByVal DMegExcp As Integer) As Long
Declare Function DioEchoBack Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDInp As Any) As Long
Declare Function DioBitEchoBack Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDBInp As Any) As Long
Declare Function DioPtnSet Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDPtnSet As Any) As Long
Declare Function DioPtnStart Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal hOK As Long, ByVal DMegOK As Integer) As Long
Declare Function DioPtnSts Lib "ApiDio.DLL" (ByVal hDrv As Long, PtnSts As Long) As Long
Declare Function DioTrgSet Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDTrgSet As Any) As Long
Declare Function DioTrgStart Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal hOK As Long, ByVal DMegOK As Integer) As Long
Declare Function DioTrgSts Lib "ApiDio.DLL" (ByVal hDrv As Long, TrgSts As Long) As Long
Declare Function DioInpBCD Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDIBcd As Any) As Long
Declare Function DioOutBCD Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDOBcd As Any) As Long
Declare Function DioInpBCD Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDIBcd As Any) As Long
Declare Function DioOutBCD Lib "ApiDio.DLL" (ByVal hDrv As Long, LpDOBcd As Any) As Long
Declare Function DioEvent Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal SigLog As Integer, ByVal SigCh As Integer, ByVal hWnd As Long, ByVal DMsgNo As Integer) As Long
Declare Function DioIntSence Lib "ApiDio.DLL" (ByVal hDrv As Long, IntSence As Integer) As Long
Declare Function DioIntEnable Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal IntMask As Integer) As Long
Declare Function DioSts Lib "ApiDio.DLL" (ByVal hDrv As Long, Sts As Integer, Cnt As Integer) As Long
Declare Function DioStop Lib "ApiDio.DLL" (ByVal hDrv As Long) As Long
Declare Function DioInpByte Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal InpPortNo As Integer, IpBuf As Byte) As Long
Declare Function DioOutByte Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal OutPortNo As Integer, ByVal Buf As Byte) As Long
Declare Function DioEchoBackByte Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal OutPortNo As Integer, IpBuf As Byte) As Long
Declare Function DioInpBit Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal InpBitNo As Integer, IpBuf As Byte) As Long
Declare Function DioOutBit Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal OutBitNo As Integer, ByVal Buf As Byte) As Long
Declare Function DioEchoBackBit Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal OutBitNo As Integer, IpBuf As Byte) As Long
Declare Function DioEventEx Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal SigLog As Integer, ByVal SigCh As Integer, ByVal hWnd As Long, ByVal DMsgNo As Integer) As Long
Declare Function DioIntEnableEx Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal SigCh As Integer, ByVal IntMask As Integer) As Long
Declare Function DioGet8255Mode Lib "ApiDio.DLL" (ByVal hDrv As Long, ByVal CNx As Integer, CtrlWord As Integer) As Long
Declare Sub DioUseMutex Lib "ApiDio.DLL" (ByVal bSw As Integer)

```

```

'*****
' API-TOOL COMMAIN FUNCTION
'*****

```

```

Declare Function LpByte Lib "VBAdd32.dll" (param As Byte) As Long
Declare Function LpWord Lib "VBAdd32.dll" (param As Integer) As Long
Declare Function LpDWord Lib "VBAdd32.dll" (param As Long) As Long

```

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*
APID10 - 3

Declare Function LpStr Lib "VBAdd32.dll" (ByVal param As String) As Long

Module1 - 1

Option Explicit

Public KeihoSouonnDb1 As Single
Public KeihoSouonnDb2 As Single
Public KeihoSindouDb1 As Single
Public KeihoSindouDb2 As Single
Public RangeSouonnDb As Single
Public RangeSindouDb As Single

Public strKeihoSouonnDb1 As String
Public strKeihoSouonnDb2 As String
Public strKeihoSindouDb1 As String
Public strKeihoSindouDb2 As String

Public Hyouka1 As Integer
Public Time0 As Integer

Public Sub Pause(NumSecs!) ' 本Subは、指定した時間次の処理を待ちます
Dim Start!, EndTime!
Start! = Timer
EndTime! = Start! + NumSecs!
Do
DoEvents
If Start! > Timer And Start! <= EndTime! Then
EndTime! = EndTime! - 86400
End If
Loop Until Timer >= EndTime!
End Sub