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AnnularColor Property

Description

Determines the color of the annular currently selected by AnnularID.

Usage

[*form.*]*control.***AnnularColor**[= *color*]

Remarks

This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions. See the **example** for more information on setting annular properties.

Related Properties

AnnularFloat, AnnularFloatOffset, AnnularID, AnnularInnerRadius, AnnularOuterRadius, Annulars, AnnularScaleID, AnnularStartValue and AnnularStopValue

Data Type

Long

ANNULARFLOAT PROPERTY

Description

Determines whether or not the annular (currently selected by AnnularID) is static or dynamic. If AnnularFloat=**TRUE** (Dynamic), then the annular may be moved at run-time through the use of code.

Usage

[*form.*]*control.***AnnularFloat**[= {TRUE|FALSE}]

Setting

The property settings are:

Setting	Description
TRUE	Dynamic (movable) Annular
FALSE	Static Annular

Remarks

See the **example** for more information on setting annular properties.

Related Properties

AnnularColor, AnnularFloatOffset, AnnularID, AnnularInnerRadius, AnnularOuterRadius, Annulars, AnnularScaleID, AnnularStartValue and AnnularStopValue

Data Type

Integer (Boolean)

ANNULARFLOATOFFSET PROPERTY

Description

Sets or returns the offset value of the annular region currently selected by AnnularID. Essentially, this property is used to shift annular regions (if AnnularFloat=**TRUE**) by adding the offset to AnnularStartValue. For example, if AnnularStartValue=2, AnnularStopValue=4 and AnnularFloatOffset=1, then the annular region will range from three (3) to five (5) instead of two (2) to four (4). This is useful when trying to display a "floating" gauge (a gauge where the needle remains stationary and the tics and/or annulars move) such as a compass.

Usage

[*form.*]*control.***AnnularFloatOffset**[= *single*]

Remarks

See the **example** for more information on setting annular properties.

Related Properties

AnnularColor, AnnularFloat, AnnularID, AnnularInnerRadius, AnnularOuterRadius, Annulars, AnnularScaleID, AnnularStartValue and AnnularStopValue

Data Type

Single

AnnularID Property

Description

Assigns a unique ID to each annular. This property must be set before any other annular property (except Annulars). The total number of annulars is determined by the Annulars property and AnnularID has valid values from 0 to Annulars-1.

Usage

[*form.*]*control.***AnnularID**[= *integer*]

Remarks

The number of Annulars must be set before this property can be set. See the **example** for more information on setting annular properties.

Related Properties

AnnularColor, AnnularFloat, AnnularFloatOffset, AnnularInnerRadius, AnnularOuterRadius, Annulars, AnnularScaleID, AnnularStartValue and AnnularStopValue

Data Type

Integer

AnnularInnerRadius Property
AnnularOuterRadius Property

Description

Determines the inner and outer radii of the annular currently selected by AnnularID. These properties are based on a unitless scale and typically have values between 0.0 and 1.0.

Usage

[*form.*]*control.***AnnularInnerRadius**[= *single*]
[*form.*]*control.***AnnularOuterRadius**[= *single*]

Remarks

The inner radius should be less than the outer radius. If this is not the case, the control will not crash but the annular will not display. See the **example** for more information on setting annular properties.

Related Properties

AnnularColor, AnnularFloat, AnnularFloatOffset, AnnularID, Annulars, AnnularScaleID, AnnularStartValue and AnnularStopValue

Data Type

Single

AnnularScaleID Property

Description

Determines the scale (designated by ScaleID) on which the annular region currently selected by AnnularID is based. The values of AnnularStartValue and AnnularStopValue for the selected annular (AnnularID) must fall in the range defined by ScaleMinValue and ScaleMaxValue.

Usage

[*form.*]*control.***AnnularScaleID**[= *integer*]

Remarks

See the **example** for more information on setting annular properties.

Related Properties

AnnularColor, AnnularFloat, AnnularFloatOffset, AnnularID, AnnularInnerRadius, AnnularOuterRadius, Annulars, AnnularStartValue and AnnularStopValue

Data Type

Integer

AnnularStartValue Property
AnnularStopValue Property

Description

Determines the values at which the annular region begins and ends. The values are numbers between ScaleMinValue and ScaleMaxValue for the scale specified by ScaleID (referenced through AnnularScaleID).

Usage

[*form.*]*control.***AnnularStartValue**[= *single*]
[*form.*]*control.***AnnularStopValue**[= *single*]

Remarks

The AnnularStartValue should be less than the AnnularStopValue. See the **example** for more information on setting annular properties.

Related Properties

AnnularColor, AnnularFloat, AnnularFloatOffset, AnnularID, AnnularInnerRadius, AnnularOuterRadius, Annulars and AnnularScaleID

Data Type

Single

ANNULARS PROPERTY

Description

Determines the number of annular regions displayed on the control. This property must be set before all other annular properties are entered (see example). The AnnularID property is used to select the region to which annular properties apply.

Usage

[*form.*]*control.***Annulars**[= *integer*]

Remarks

See the **example** for more information on setting annular properties.

Related Properties

AnnularColor, AnnularFloat, AnnularFloatOffset, AnnularID, AnnularInnerRadius, AnnularOuterRadius, AnnularScaleID, AnnularStartValue and AnnularStopValue

Data Type

Integer

AUTOREDRAW PROPERTY

Description

Determines whether the control is redraw manually or automatically.

Usage

[*form.*]*control.***AutoRedraw**[= {TRUE|FALSE}]

Setting

The property settings are:

Setting	Description
TRUE	Automatic (default) - The operating system will redraw the control when it has time.
FALSE	Manual - The user is responsible for all redraw commands.

Remarks

If AutoRedraw=**TRUE**, then the control will be redrawn after any property is changed. If several properties are being changed rapidly, then the control may seem slow and/or may not update when desired. In this case, it may be wise to set AutoRedraw=**FALSE** and issue a Redraw command after all the desired property changes are made.

Related Property

Redraw

Data Type

Integer (Boolean)

BackgroundColor Property

Description

Determines the background color of the control. It is ignored if BackgroundPicture is set.

Usage

[*form.*]*control.***BackgroundColor**[= *color*]

Remarks

This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions.

Data Type

Long

BACKGROUNDPICTURE

Description

Determines the graphic to be displayed in the background of the control.

Usage

[*form.*]*control.***BackgroundPicture**[= *picture*]

Setting

The BackgroundPicture property settings are:

Setting	Description
(none)	No picture is displayed.
(bitmap)	At design time, specify the bitmap filename to be displayed. At run-time, specify the bitmap using Visual Basic's **LoadPicture** (or comparable) function.

Remarks

When setting the picture at design-time, the picture will be saved with the form and will be compiled into the executable.

Data Type

Picture

BevelInner Property
BevelOuter Property

Description
Sets or returns the inner or outer shadow styles of the control.

Usage
[*form.*]*control.***BevelInner**[= *integer*]
[*form.*]*control.***BevelOuter**[= *integer*]

Setting
The property settings are:

Setting	Description
0	None
1	Raised
2	Inset

Remarks
These properties have no affect when BevelWidth=0.

Related Properties
BevelWidth and BorderWidth

Data Type
Integer (Enumerated)

BevelWidth Property

Description

Sets or returns the shadow sizes of the inner and outer bevels of the control.

Usage

[*form.*]*control.***BevelWidth**[= *integer*]

Related Properties

BevelInner, BevelOuter and BorderWidth

Data Type

Integer

BorderType Property

Description

Sets or returns the style of the border around the control.

Usage

[*form.*]*control.***BorderType**[= *integer*]

Setting

The BoderType property settings are:

Setting	Description
0 (None)	Border is not displayed.
1 (Bevel)	3D beveled border is displayed using the BevelInner, BevelOuter, BevelWidth and BorderWidth properties.
2 (Outline)	Frame style border is displayed using the OutlineAlign, OutlineColor, OutlineTitle and OutlineWidth properties.

Data Type

Integer (Enumerated)

BorderWidth Property

Description

Sets or returns the border size between the inner and outer bevels of the control.

Usage

[*form.*]*control.***BorderWidth**[= *integer*]

Related Properties

BevelInner, BevelOuter and BevelWidth

Data Type

Integer

CAPTION PROPERTY

Description

Determines the text displayed on the control for the caption currently selected by CaptionID. The number of captions displayed is set by the Captions property.

Usage

[*form.*]*control.***Caption**[= *string*]

Remarks

See the **example** for more information on setting caption properties.

Related Properties

CaptionColor, CaptionFontID, CaptionID, Captions, CaptionX and CaptionY

Data Type

String

CaptionColor Property

Description

Determines the text color for the caption currently selected by CaptionID.

Usage

[*form.*]*control.***CaptionColor**[= *color*]

Remarks

This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions. See the **example** for more information on setting caption properties.

Related Properties

Caption, CaptionFontID, CaptionID, Captions, CaptionX and CaptionY

Data Type

Long

CaptionFontID Property

Description

Determines which font (designated by FontID) is used for the caption currently selected by CaptionID.

Usage

[*form.*]*control.***CaptionFontID**[= *integer*]

Remarks

See the **example** for more information on setting caption properties.

Related Properties

Caption, CaptionColor, CaptionID, Captions, CaptionX and CaptionY

Data Type

Integer

CAPTIONID PROPERTY

Description

Assigns a unique ID to each caption. This property must be set before any other caption property (except Captions). The total number of captions is determined by the Captions property and CaptionID has valid values from 0 to Captions-1.

Usage

[*form.*]*control.***CaptionID**[= *integer*]

Remarks

The number of Captions must be set before this property can be set. See the **example** for more information on setting caption properties.

Related Properties

Caption, CaptionColor, CaptionFontID, Captions, CaptionX and CaptionY

Data Type

Integer

CaptionX Property
CaptionY Property

Description

Determines the vertical and horizontal position of the caption currently selected by the CaptionID property. These properties are based on a unitless scale and typically have values between -1.0 and 1.0 where a value of 0.0 is located at the center of the control.

Usage

[*form.*]*control.***CaptionX**[= *single*]
[*form.*]*control.***CaptionY**[= *single*]

Remarks

See the **example** for more information on setting caption properties.

Related Properties

Caption, CaptionColor, CaptionFontID, CaptionID and Captions

Data Type

Single

CAPTIONS PROPERTY

Description

Determines the number of captions displayed on the control. This property must be set before all other caption properties are entered (see example). The CaptionID property is used to select the caption to which caption properties apply.

Usage

[*form.*]*control.***Captions**[= *integer*]

Remarks

See the **example** for more information on setting caption properties.

Related Properties

Caption, CaptionColor, CaptionFontID, CaptionID, CaptionX and CaptionY

Data Type

Integer

A **CHANGE** event is fired every time the left button is released when using the mouse to change the value of the control.

Association of Shareware Professionals™

Global Majic Software, Inc.

AGauge Control

Properties Events Product Support Copyright

Description:

The generic gauge control is a highly customizable gauge or meter control. Properties are provided to modify the gauge's scales, tics, needles, annulars, captions, border and background. The mouse can optionally be used to change needle values.

Scales:

Scales are used to define the extent of the units displayed by the gauge, the location of the gauge center, and the gauge's start and stop angles. Multiple scales are supported.

Needles:

Needles can be displayed in a variety of shapes and sizes. Properties are used to modify the needle's style, length, width, color and associated scale. Multiple needles can be placed on a single gauge.

Hubs:

Hubs are decorative caps over the axis of rotation of a given needle. Properties are used to modify the hub's style, radius, and associated scale.

Tics:

Tics are used to mark intervals on the gauge's face. Properties are used to set the tic's style, start-stop values, interval, inner-outer radii, width, color, label positions, and associated scale.

Annulars:

Annulars are used for aesthetics as well as indicators of operating ranges. Properties are provided to modify the annular's start-stop values, inner-outer radii, color, and associated scale. Multiple annular regions can be placed on a single gauge.

Captions:

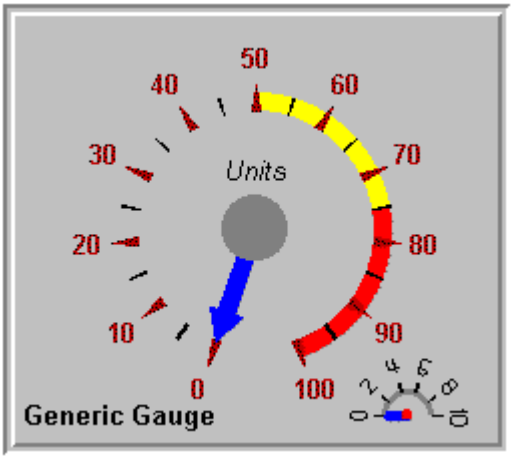
The gauge can be embellished with multiple captions to indicate the type of measurement being displayed, units used or any other informative or decorative labeling.

Events:

Change
Click
GotFocus
LostFocus
MouseDown
MouseMove
MouseUp
Turn

EXAMPLE - HOW TO BUILD A GAUGE

General Information



This example will explain the process of building a generic gauge. The final product is shown in Figure 1. The purpose of this example is to show how several of the control's properties relate to each other. For example, it depicts how to use the Tic properties to setup multiple tic sets (with or without labels) to obtain a desired appearance. In general, the steps for setting up tic marks are as follows: **1)** set the number of tic sets (Gauge1.Tics=2); **2)** set the unique id for the tic set (Gauge1.TicID=0); **3)** set the other tic properties (Gauge1.TicScaleID=1); and **4)** change TicID and repeat step 3 if desired. This same process is used to set the properties for all the items contained in the control (scales, annulars, captions, fonts, etc.). For simplicity, the steps for setting up this example are written out in Visual Basic script. However, the values may also be assigned using the property list at design time.

Sample Code

```
'setup scales
Gauge1.Scales = 2

Gauge1.ScaleID = 0
Gauge1.ScaleStartAngle = -160
Gauge1.ScaleStopAngle = 160
Gauge1.ScaleMinValue = 0
Gauge1.ScaleMaxValue = 100
Gauge1.ScaleDirection = 0

Gauge1.ScaleID = 1
Gauge1.ScaleStartAngle = -90
Gauge1.ScaleStopAngle = 90
Gauge1.ScaleMinValue = 0
Gauge1.ScaleMaxValue = 10
Gauge1.ScaleDirection = 0
Gauge1.ScaleOriginX = 0.9
Gauge1.ScaleOriginY = -1.1

'setup fonts
Gauge1.Fonts = 3

Gauge1.FontID = 0
Gauge1.FontBold = True
Gauge1.FontName = "Arial"
Gauge1.FontSize = 12

Gauge1.FontID = 1
Gauge1.FontBold = False
Gauge1.FontItalic = True
```

```
Gauge1.FontName = "Arial"
Gauge1.FontSize = 12

Gauge1.FontID = 2
Gauge1.FontBold = False
Gauge1.FontItalic = False
Gauge1.FontName = "Arial"
Gauge1.FontSize = 10

'setup tic marks
Gauge1.Tics = 3

Gauge1.TicID = 0
Gauge1.TicScaleID = 0
Gauge1.TicStyle = 1
Gauge1.TicWidth = 0.05
Gauge1.TicColor = &H80&
Gauge1.TicDeltaValue = 10
Gauge1.TicStartValue = 0
Gauge1.TicStopValue = 100
Gauge1.TicInnerRadius = 0.7
Gauge1.TicOuterRadius = 0.85
Gauge1.TicLabel = True
Gauge1.TicLabelRadius = 1
Gauge1.TicFontID = 0

Gauge1.TicID = 1
Gauge1.TicScaleID = 0
Gauge1.TicStyle = 0
Gauge1.TicWidth = 0.01
Gauge1.TicDeltaValue = 10
Gauge1.TicStartValue = 5
Gauge1.TicStopValue = 95
Gauge1.TicInnerRadius = 0.7
Gauge1.TicOuterRadius = 0.8

Gauge1.TicID = 2
Gauge1.TicScaleID = 1
Gauge1.TicStyle = 0
Gauge1.TicWidth = 0.01
Gauge1.TicDeltaValue = 2
Gauge1.TicStartValue = 0
Gauge1.TicStopValue = 10
Gauge1.TicInnerRadius = 0.15
Gauge1.TicOuterRadius = 0.2
Gauge1.TicLabel = True
Gauge1.TicLabelRotated = True
Gauge1.TicLabelRadius = 0.3
Gauge1.TicFontID = 2

'setup annulars
Gauge1.Annulars = 3

Gauge1.AnnularID = 0
Gauge1.AnnularScaleID = 0
Gauge1.AnnularStartValue = 50
Gauge1.AnnularStopValue = 75
Gauge1.AnnularInnerRadius = 0.7
Gauge1.AnnularOuterRadius = 0.8
Gauge1.AnnularColor = &HFFFF&

Gauge1.AnnularID = 1
Gauge1.AnnularScaleID = 0
Gauge1.AnnularStartValue = 75
Gauge1.AnnularStopValue = 100
Gauge1.AnnularInnerRadius = 0.7
Gauge1.AnnularOuterRadius = 0.8
Gauge1.AnnularColor = &HFF&
```

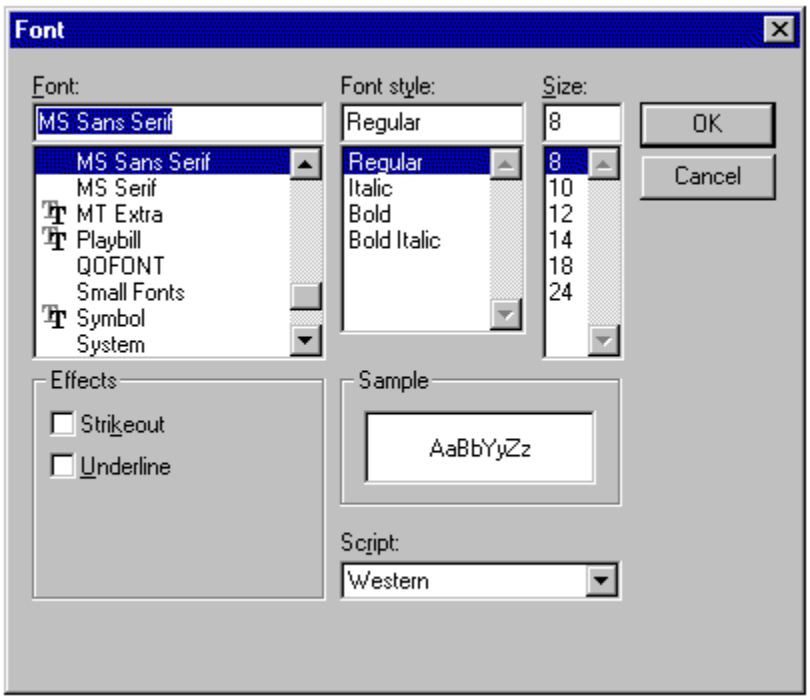
```
Gauge1.AnnularID = 2
Gauge1.AnnularScaleID = 1
Gauge1.AnnularStartValue = 0
Gauge1.AnnularStopValue = 10
Gauge1.AnnularInnerRadius = 0.12
Gauge1.AnnularOuterRadius = 0.16
Gauge1.AnnularColor = &H808080

'setup captions
Gauge1.Captions = 2

Gauge1.CaptionID = 0
Gauge1.CaptionFontID = 0
Gauge1.Caption = "Generic Gauge"
Gauge1.CaptionX = -0.8
Gauge1.CaptionY = -1.1

Gauge1.CaptionID = 1
Gauge1.CaptionFontID = 1
Gauge1.Caption = "Units"
Gauge1.CaptionX = 0
Gauge1.CaptionY = 0.35

'setup needles
Gauge1.Needles = 2

Gauge1.NeedleID = 0
Gauge1.NeedleScaleID = 0
Gauge1.NeedleLength = 0.7
Gauge1.NeedleWidth = 0.2
Gauge1.NeedleStyle = 2

Gauge1.NeedleID = 1
Gauge1.NeedleScaleID = 1
Gauge1.NeedleColor = &HFF0000
Gauge1.NeedleLength = 0.15
Gauge1.NeedleWidth = 0.05
Gauge1.NeedleStyle = 0

'setup hubs
Gauge1.Hubs = 2

Gauge1.HubID = 0
Gauge1.HubColor = &H808080
Gauge1.HubScaleID = 0
Gauge1.HubScale = 0.2

Gauge1.HubID = 1
Gauge1.HubColor = &HFF&
Gauge1.HubScaleID = 1
Gauge1.HubScale = 0.04
```

FontBold, FontItalic, FontName, FontSize, FontStrike and FontUnder

FONTDIALOG PROPERTY

Description

Selecting this property (in design mode) launches the font dialog box shown below. This dialog sets the font properties for the font currently selected by FontID.



Usage

This property can only be used at design time. Use standard font properties to set fonts in code.

Related Properties

FontBold, FontID, FontItalic, FontName, Fonts, FontSize, FontStrike and FontUnder

Data Type

N/A

FONTID PROPERTY

Description

This property allows the control to display several different fonts by assigning a unique ID to each font. The total number of fonts is determined by the Fonts property and FontID has valid values from 0 to Fonts-1.

Usage

[*form.*]*control.***FontID**[= *integer*]

Remarks

The desired font is obtained by selecting the corresponding FontID (through the use of CaptionFontID for example). See the **example** for more information on setting font properties.

Related Properties

CaptionFontID, FontBold, FontDialog, FontItalic, FontName, Fonts, FontSize, FontStrike, FontUnder, NeedleDigitalFontID and TicFontID

Data Type

Integer

FONTS PROPERTY

Description

Determines the number of fonts displayed on the control. This property must be set before all other font properties are entered (see example). The FontID property is used to select the font to which other font properties apply.

Usage

[*form.*]*control.***Fonts**[= *integer*]

Remarks

See the **example** for more information on setting font properties.

Related Properties

CaptionFontID, FontBold, FontDialog, FontID, FontItalic, FontName, FontSize, FontStrike, FontUnder, NeedleDigitalFontID and TicFontID

Data Type

Integer

FRAMECOLOR PROPERTY

Description

Determines the frame color surrounding the control's face.

Usage

[*form.*]*control.***FrameColor**[= *color*]

Remarks

This property only applies when FrameStyle is set and FramePicture has not been specified. This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions.

Related Properties

FramePicture, FrameScaleX, FrameScaleY and FrameStyle

Data Type

Long

FRAMEPICTURE PROPERTY

Description

Determines the graphic to be displayed in the frame surrounding the control's face.

Usage

[*form.*]*control.***FramePicture**[= *picture*]

Setting

The FramePicture property settings are:

Setting	Description
(none)	No picture is displayed.
(bitmap)	At design time specify the bitmap file name to be displayed. At run-time specify the bitmap using Visual Basic's **LoadPicture** (or comparable) function.

Remarks

This property only applies when FrameStyle is not 0. When setting the picture at design-time, the picture will be saved with the form and will be compiled into the executable.

Related Properties

FrameColor, FrameScaleX, FrameScaleY and FrameStyle

Data Type

Picture

FRAMESCALEX PROPERTY
FRAMESCALEY PROPERTY

Description

Determines the vertical and horizontal size of the opening inside of the frame surrounding the control. For a circular FrameStyle, FrameScaleY is ignored and FrameScaleX is used to define the radius of the opening. This property is based on a unitless scale and typically has values between 0.0 and 1.0.

Usage

[*form.*]*control.***FrameScaleX**[= *single*]
[*form.*]*control.***FrameScaleY**[= *single*]

Related Properties

FrameColor, FramePicture and FrameStyle

Data Type

Single

FRAMESTYLE PROPERTY

Description

Sets or returns the style of the frame surrounding the control.

Usage

[*form.*]*control.***FrameStyle**[= *integer*]

Setting

The FrameStyle property settings are:

Setting	Description
0 (None)	A frame is not displayed.
1 (Circle)	A circular frame is displayed using FrameScaleX as the internal radius.
2 (Rectangle)	A rectangular frame is displayed using the FrameScaleX and FrameScaleY properties to size the interior size of the frame.

Related Properties

FrameColor, FramePicture, FrameScaleX and FrameScaleY

Data Type

Integer (Enumerated)

HubColor Property

Description

Determines the color for the hub currently selected by HubID.

Usage

[*form.*]*control.***HubColor**[= *color*]

Remarks

This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions. See the **example** for more information on setting hub properties.

Related Properties

HubID, Hubs, HubScale and HubScaleID

Data Type

Long

HubID Property

Description

Assigns a unique ID to each hub. This property must be set before any other hub property (except Hubs). The total number of hubs is determined by the Hubs property and HubID has valid values from 0 to Hubs-1.

Usage

[*form.*]*control.***HubID**[= *integer*]

Remarks

The number of Hubs must be set before this property can be set. See the **example** for more information on setting hub properties.

Related Properties

HubColor, Hubs, HubScale and HubScaleID

Data Type

Integer

HubScale Property

Description

Determines the radius of the hub currently selected by HubID. This property is based on a unitless scale and typically has values between 0.0 and 1.0.

Usage

[*form.*]*control.***HubScale**[= *single*]

Remarks

See the **example** for more information on setting hub properties.

Related Properties

HubColor, HubID, Hubs and HubScaleID

Data Type

Single

HubScaleID Property

Description

Determines the scale (designated by ScaleID) on which the hub currently selected by HubID is based. The ScaleOriginX and ScaleOriginY properties determine the center of the hub.

Usage

[*form.*]*control.***HubScaleID**[= *integer*]

Remarks

See the **example** for more information on setting hub properties.

Related Properties

HubColor, HubID, Hubs and HubScale

Data Type

Integer

HUBS PROPERTY

Description

Determines the number of hubs displayed on the control. This property must be set before all other hub properties (see example). The HubID property is used to select the current hub to which hub properties apply.

Usage

[*form.*]*control.***Hubs**[= *integer*]

Remarks

See the **example** for more information on setting hub properties.

Related Properties

HubColor, HubID, HubScale and HubScaleID

Data Type

Integer

MouseControl Property

Description

Enables and disables mouse input to the control.

Usage

[*form.*]*control.***MouseControl**[= {TRUE|FALSE}]

Setting

The MouseControl property settings are:

Setting	Description
TRUE	Allows the control's value to be modified with mouse input.
FALSE	Disables mouse input to the control.

Data Type

Integer (Boolean)

NeedleColor Property

Description

Determines the color for the needle currently selected by NeedleID.

Usage

[*form.*]*control.***NeedleColor**[= *color*]

Remarks

This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions. See the **example** for more information on setting needle properties.

Related Properties

NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Long

NEEDLEDIGITAL PROPERTY

Description

Enables or disables the digital display of the NeedleValue for the needle currently selected by NeedleID.

Usage

[*form.*]*control.***NeedleDigital**[= {TRUE|FALSE}]

Setting

The property settings are:

Setting	Description
TRUE	A digital readout of the current NeedleValue is displayed.
FALSE	No digital display.

Related Properties

NeedleColor, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Integer (Boolean)

NeedleDigitalColor Property

Description

Determines the color of the digital display (if NeedleDigital=**TRUE**) for the needle currently selected by NeedleID.

Usage

[*form.*]*control.***NeedleDigitalColor**[= *color*]

Remarks

This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions. See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Long

NeedleDigitalDecimals Property

Description

Determines how many places (to the right of the decimal) are displayed in the digital display (if NeedleDigital=**TRUE**).

Usage

[*form.*]*control.***NeedleDigitalDecimals**[= *integer*]

Remarks

See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Integer

NeedleDigitalFontID Property

Description

Determines which font (designated by FontID) is used for the digital display for the needle currently selected by NeedleID.

Usage

[*form.*]*control.***NeedleDigitalFontID**[= *integer*]

Remarks

See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Integer

NeedleDigitalX Property
NeedleDigitalY Property

Description

Determines the vertical and horizontal position of the digital display for the needle currently selected by the NeedleID property. These properties are based on a unitless scale and typically have values between -1.0 and 1.0 where a value of 0.0 is located at the center of the control.

Usage

[*form.*]*control.***NeedleDigitalX**[= *single*]
[*form.*]*control.***NeedleDigitalY**[= *single*]

Remarks

See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Single

NeedleID Property

Description

Assigns a unique ID to each needle. This property must be set before any other needle property (except Needles). The total number of needles is determined by the Needles property and NeedleID has valid values from 0 to Needles-1.

Usage

[*form.*]*control.***NeedleID**[= *integer*]

Remarks

The number of Needles must be set before this property can be set. See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Integer

NeedleLength Property
NeedleWidth Property

Description

Determines the length and width of the needle currently selected by NeedleID. These properties are based on a unitless scale and typically have values between 0.0 and 1.0.

Usage

[*form.*]*control.***NeedleLength**[= *single*]
[*form.*]*control.***NeedleWidth**[= *single*]

Remarks

See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue and Shape

Data Type

Single

NEEDLESCALEID PROPERTY

Description

Determines the scale (designated by ScaleID) on which the needle currently selected by NeedleID is based. The ScaleOriginX and ScaleOriginY properties determine the origin of the needle. The ScaleMaxValue and ScaleMinValue properties define the valid operating range for NeedleValue.

Usage

[*form.*]*control.***NeedleScaleID**[= *integer*]

Remarks

See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Integer

NEEDLESTYLE PROPERTY

Description

Determines the style of the needle currently selected by NeedleID.

Usage

[*form.*]*control.***NeedleStyle**[= *integer*]

Setting

The NeedleStyle property settings are:

Setting	Description
0	Pointer
1	Triangle
2	Arrow
3	User Defined - displays the needle defined by the NeedleShape or Shape property.

Remarks

See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleValue, NeedleWidth and Shape

Data Type

Integer (Enumerated)

NeedleValue Property

Description

Determines the value of the needle currently selected by NeedleID. The NeedleValue is a number between ScaleMinValue and ScaleMaxValue. The corresponding scale is referenced by the NeedleScaleID property.

Usage

[*form.*]*control.***NeedleValue**[= *single*]

Remarks

See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleShape, NeedleStyle, NeedleWidth and Shape

Data Type

Single

NEEDLES PROPERTY

Description

Determines the number of needles displayed on the control. This property must be set before needle properties are entered (see example). The NeedleID property is used to select the needle to which needle properties apply.

Usage

[*form.*]*control.***Needles**[= *integer*]

Remarks

See the **example** for more information on setting needle properties.

Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, NeedleScaleID, NeedleShape, NeedleStyle, NeedleValue, NeedleWidth and Shape

Data Type

Integer

OUTLINEALIGN PROPERTY

Description

Determines the alignment of the OutlineTitle at the top of the control. This property only applies when BorderType is set to 2 (Outline).

Usage

[*form.*]*control.***OutlineAlign**[= *integer*]

Setting

The OutlineAlign property settings are:

Setting	Description
0	Left
1	Right
2	Center

Related Properties

BorderType, OutlineColor, OutlineTitle and OutlineWidth

Data Type

Integer (Enumerated)

OUTLINECOLOR PROPERTY

Description

Determines the color of the outline frame (and OutlineTitle) surrounding the control when BorderType is set to 2 (Outline).

Usage

[*form.*]*control.***OutlineColor**[= *color*]

Remarks

This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions.

Related Properties

BorderType, OutlineAlign, OutlineTitle and OutlineWidth

Data Type

Long

OUTLINETITLE PROPERTY

Description

Determines the text displayed as the title in the outline frame surrounding the control when the BorderType is set to 2 (Outline).

Usage

[*form.*]*control.***OutlineTitle**[= *string*]

Related Properties

BorderType, OutlineAlign, OutlineColor and OutlineWidth

Data Type

String

OUTLINEWIDTH PROPERTY

Description

Determines the thickness (in pixels) of the outline frame surrounding the control when BorderType is set to 2 (Outline).

Usage

[*form.*]*control.***OutlineWidth**[= *integer*]

Related Properties

BorderType, OutlineAlign, OutlineColor and OutlineTitle

Data Type

Integer

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AmericaOnline: GMagic

Internet: gms@globalmajic.com

Snail Mail: Global Majic Software, Inc.
P.O. Box 322
Madison, Alabama 35758

TEL/FAX: (205) 864-0708

Home Page: http://www.globalmajic.com

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Properties:

AnnularColor
AnnularFloat
AnnularFloatOffset
AnnularID
AnnularInnerRadius
AnnularOuterRadius
Annulars
AnnularScaleID
AnnularStartValue
AnnularStopValue
AutoRedraw
BackgroundColor
BackgroundPicture
BevelInner
BevelOuter
BevelWidth
BorderType
BorderWidth
Caption
CaptionColor
CaptionFontID
CaptionID
Captions
CaptionX
CaptionY
Enabled
FontBold
FontDialog
FontID
FontItalic
FontName
Fonts
FontSize
FontStrike
FontUnder
FrameColor
FramePicture
FrameScaleX
FrameScaleY
FrameStyle
Height
HubColor
HubID
Hubs
HubScale
HubScaleID
Index
Left
MouseControl
MousePointer
Name
NeedleColor
NeedleDigital
NeedleDigitalColor
NeedleDigitalDecimals
NeedleDigitalFontID
NeedleDigitalX
NeedleDigitalY
NeedleID
NeedleLength
Needles
NeedleScaleID
NeedleShape
NeedleStyle
NeedleValue
NeedleWidth
OutlineAlign
OutlineColor
OutlineTitle
OutlineWidth
Redraw
ScaleDirection
ScaleID
ScaleMaxValue
ScaleMinValue
ScaleOriginX
ScaleOriginY
Scales
ScaleStartAngle
ScaleStopAngle
Shape
TabIndex
TabStop
Tag
TicColor
TicDeltaValue
TicFloat
TicFloatOffset
TicFontID
TicID
TicInnerRadius
TicLabel
TicLabelRadius
TicLabelRotated
TicOuterRadius
Tics
TicScaleID
TicStartValue
TicStopValue
TicStyle
TicWidth
Top
Visible
Width

REDRAW PROPERTY

Description

Issues a redraw command to the control if AutoRedraw=**FALSE**.

Usage

[*form.*]*control.***Redraw**[= {TRUE|FALSE}]

Setting

The property settings are:

Setting	Description
TRUE	Issue a redraw command.
FALSE	Does not issue redraw command.

Remarks

If AutoRedraw=**TRUE**, then the control will be redrawn after any property is changed. If several properties are being changed rapidly, then the control may seem slow and/or may not update when desired. In this case, it may be wise to set AutoRedraw=**FALSE** and issue a Redraw command after all the desired property changes are made.

Related Property

AutoRedraw

Data Type

Integer (Boolean)

SCALEDIRECTION PROPERTY

Description

Determines the direction of increasing values for the control (from ScaleMinValue to ScaleMaxValue).

Usage

[*form.*]*control.***ScaleDirection**[= *integer*]

Setting

The ScaleDirection property settings are:

Setting	Description
0	Clockwise
1	Counter Clockwise

Remarks

See the **example** for more information on setting scale properties.

Related Properties

ScaleID, ScaleMaxValue, ScaleMinValue, ScaleOriginX, ScaleOriginY, Scales, ScaleStartAngle and ScaleStopAngle

Data Type

Integer (Enumerated)

SCALEID PROPERTY

Description

Assigns a unique ID to each scale. This property must be set before any other scale property (except Scales). The total number of scales is determined by the Scales property and ScaleID has valid values from 0 to Scales-1.

Usage

[*form.*]*control.***ScaleID**[= *integer*]

Remarks

Scales are used to define the location of the gauge's center, start and stop angles, and its minimum and maximum displayed values. See the example for more information on setting scale properties.

Related Properties

ScaleDirection, ScaleMaxValue, ScaleMinValue, ScaleOriginX, ScaleOriginY, Scales, ScaleStartAngle and ScaleStopAngle

Data Type

Integer

SCALEMAXVALUE PROPERTY
SCALEMINVALUE PROPERTY

Description

Determines the maximum and minimum values available in the scale. If ScaleDirection is set to clockwise, then ScaleMinValue is located at ScaleStartAngle and ScaleMaxValue is located at ScaleStopAngle. The converse is true if ScaleDirection is set to counter-clockwise.

Usage

[*form.*]*control.***ScaleMaxValue**[= *single*]
[*form.*]*control.***ScaleMinValue**[= *single*]

Remarks

The ScaleMaxValue should be greater than the ScaleMinValue. See the example for more information on setting scale properties.

Related Properties

ScaleDirection, ScaleID, ScaleOriginX, ScaleOriginY, Scales, ScaleStartAngle and ScaleStopAngle

Data Type

Single

ScaleOriginX Property
ScaleOriginY Property

Description

Determines the vertical and horizontal position of the scale center. These properties are based on a unitless scale and typically have values between -1.0 and 1.0, where a value of 0.0 is located in the center of the control.

Usage

[*form.*]*control*.**ScaleOriginX**[= *single*]
[*form.*]*control*.**ScaleOriginY**[= *single*]

Remarks

See the **example** for more information on setting scale properties.

Related Properties

ScaleDirection, ScaleID, ScaleMaxValue, ScaleMinValue, Scales, ScaleStartAngle and ScaleStopAngle

Data Type

Single

ScaleStartAngle Property
ScaleStopAngle Property

Description

Determines the angular extents of the control. When ScaleDirection is set to 0 (Clockwise), the ScaleStartAngle corresponds to ScaleMinValue and when ScaleDirection is set to 1 (Counter Clockwise), the ScaleStartAngle corresponds to ScaleMaxValue. The ScaleStopAngle property behaves in a similar fashion.

Usage

[*form.*]*control.***ScaleStartAngle**[= *single*]
[*form.*]*control.***ScaleStopAngle**[= *single*]

Remarks

Start and stop angles are bound between 0 and 360 degrees. Values outside this range are automatically corrected. See the **example** for more information on setting scale properties.

Related Properties

ScaleDirection, ScaleID, ScaleMaxValue, ScaleMinValue, ScaleOriginX, ScaleOriginY and Scales

Data Type

Single

SCALES PROPERTY

Description

Determines the number of scales used to define the control. This property must be set before all other scale properties are entered (see example). The ScaleID property is used to select the scale to which scale properties apply.

Usage

[*form.*]*control.***Scales**[= *integer*]

Remarks

See the **example** for more information on setting scale properties.

Related Properties

ScaleDirection, ScaleID, ScaleMaxValue, ScaleMinValue, ScaleOriginX, ScaleOriginY, ScaleStartAngle and ScaleStopAngle

Data Type

Integer

NeedleShape Property
Shape Property

Description

These properties determine the shape of user defined needles and only apply when NeedleStyle = 3 (User Defined). Although the function of both properties is the same, their uses are slightly different. When a user defined needle style is selected, the control first uses the NeedleShape property (for the needle currently selected by NeedleID) to define the needle shape. If no NeedleShape has been defined it then uses the Shape property. This is extremely flexible in that it allows needle shapes to be defined locally (NeedleShape) or globally (by defaulting to Shape).

These properties define a polygon made from a list of x,y coordinate pairs. The needle shape is defined using a coordinate system in which (0,0) is located at the center of the gauge and the tip of the needle is typically defined as (0,1000).

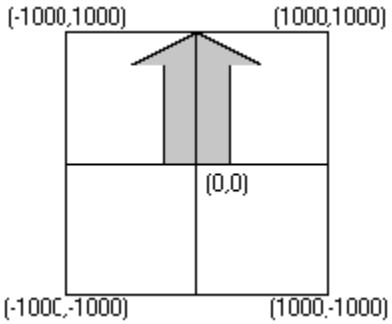
Usage

[*form.*]*control.***NeedleShape**[= *string*]
[*form.*]*control.***Shape**[= *string*]

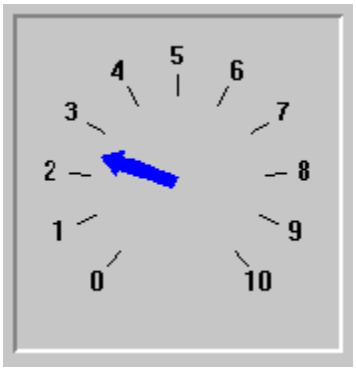
Example

Gauge1.Shape = "250,0, 250,750, 500,750, 0,1000, -500,750, -250,750, -250,0"

The following image displays this shape polygon defined in a coordinate system with origin at (0,0) and (1000,1000) extents.



The following image is a screen snap shop of this Shape used in a simple gauge control.



Related Properties

NeedleColor, NeedleDigital, NeedleDigitalColor, NeedleDigitalDecimals, NeedleDigitalFontID, NeedleDigitalX, NeedleDigitalY, NeedleID, NeedleLength, Needles, NeedleScaleID, NeedleStyle, NeedleValue and NeedleWidth

Data Type

String

TicColor Property

Description

Determines the color for the tic set currently selected by TicID.

Usage

[*form.*]*control.***TicColor**[= *color*]

Remarks

This property can be set using Visual Basic's **RGB** or **QBColor** (or comparable) functions. See the **example** for more information on setting tic properties.

Related Properties

TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Long

TicDeltaValue Property

Description

Determines the interval value between tic marks for the tic set currently selected by TicID.

Usage

[*form.*]*control.***TicDeltaValue**[= *single*]

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Single

TICFLOAT PROPERTY

Description

Determines whether or not the tic set (currently selected by TicID) is static or dynamic. If TicFloat=**TRUE** (Dynamic), then the tic set may be moved at run-time through the use of code.

Usage

[*form.*]*control.***TicFloat**[= {TRUE|FALSE}]

Setting

The property settings are:

Setting	Description
TRUE	Dynamic (movable) Tic Set
FALSE	Static Tic Set

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Integer (Boolean)

TicFloatOffset Property

Description

Sets or returns the offset value of the tic set currently selected by TicID. Essentially, this property is used to shift tic sets (if TicFloat=**TRUE**) by adding the offset to TicStartValue. For example, if TicStartValue.=2, TicSopValue.=4 and TicFloatOffset=1, then the tic set will range from three (3) to five (5) instead of two (2) to four (4). This is useful when trying to display a "floating" gauge (a gauge where the needle remains stationary and the tics and/or annulars move) such as a compass.

Usage

[*form.*]*control.***TicFloatOffset**[= *single*]

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Single

TicFontID Property

Description

Determines which font (designated by FontID) is used for the labels of the tic set currently selected by TicID.

Usage

[*form.*]*control.***TicFontID**[= *integer*]

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Integer

TicID Property

Description

Assigns a unique ID to each tic set. This property must be set before any other tic property (except Tics). The total number of tic sets is determined by the Tics property and TicID has valid values from 0 to Tics-1.

Usage

[*form.*]*control.***TicID**[= *integer*]

Remarks

The number of Tics must be set before this property can be set. See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Integer

TicInnerRadius Property
TicOuterRadius Property

Description

Determines the inner and outer radii of the tic set currently selected by TicID. These properties are based on a unitless scale and typically have values between 0.0 and 1.0.

Usage

[*form.*]*control.***TicInnerRadius**[= *single*]
[*form.*]*control.***TicOuterRadius**[= *single*]

Remarks

The inner radius should be less than the outer radius. See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicLabel, TicLabelRadius, TicLabelRotated, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Single

TicLabel Property

Description

Enables or disables labels at each tic mark for the tic set currently selected by TicID. The position of the tic labels is defined by the TicLabelRadius property.

Usage

[*form.*]*control.***TicLabel**[= {TRUE|FALSE}]

Setting

The TicLabel property settings are:

Setting	Description
TRUE	Labels are displayed.
FALSE	Labels are NOT displayed.

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Integer (Boolean)

TicLabelRadius Property

Description

Sets or returns the radius where labels are displayed for the tic set currently selected by TicID. This property is based on a unitless scale and typically has values between 0.0 and 1.0.

Usage

[*form.*]*control.***TicLabelRadius**[= *single*]

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Single

TICLABELROTATED PROPERTY

Description

Determines whether the labels for the tic set currently selected by TicID are oriented with respect to the control (Figure 1) or the tic mark (Figure 2).

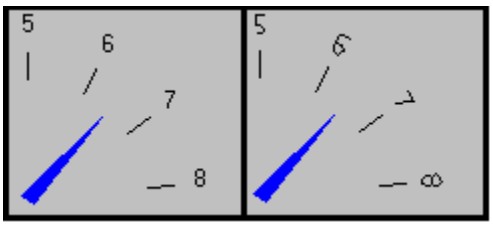


Figure 1

Figure 2

This feature is useful when trying to display a "floating" gauge (a gauge where the needle remains stationary and the tics and/or annulars move) such as a compass.

Usage

[*form.*]*control.***TicLabelRotated**[= {TRUE|FALSE}]

Setting

The property settings are:

Setting	Description
TRUE	Oriented with respect to tic mark
FALSE	Oriented with respect to control

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Integer (Boolean)

TicScaleID Property

Description

Determines the scale (designated by ScaleID) on which the tic set currently selected by TicID is based. The TicStartValue and TicStopValue properties must fall within the range defined by ScaleMaxValue and ScaleMinValue.

Usage

[*form.*]*control.***TicScaleID**[= *integer*]

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Integer

TicStartValue Property
TicStopValue Property

Description

Determines the values at which the tic marks start and stop for the tic set currently selected by TicID. These values are numbers between ScaleMinValue and ScaleMaxValue for the scale referenced by TicScaleID.

Usage

[*form.*]*control.***TicStartValue**[= *single*]
[*form.*]*control.***TicStopValue**[= *single*]

Remarks

The TicStartValue should be less than the TicStopValue. See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStyle and TicWidth

Data Type

Single

TicStyle Property

Description

Determines the style of the tic set currently selected by TicID.

Usage

[*form.*]*control.***TicStyle**[= *integer*]

Setting

The TicStyle property settings are:

Setting	Description
0	Rectangle
1	Triangle
2	Diamond
3	Circle

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue and TicWidth

Data Type

Integer (Enumerated)

TicWidth Property

Description

Determines the width of the tic marks for the tic set currently selected by TicID. This property is based on a unitless scale and typically has values between 0.0 and 1.0.

Usage

[*form.*]*control.***TicWidth**[= *single*]

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, Tics, TicScaleID, TicStartValue, TicStopValue and TicStyle

Data Type

Single

TICS PROPERTY

Description

Determines the number of tic sets displayed on the control. This property must be set before all other tic properties are entered (see example). The TicID property is used to select the tic set to which tic properties apply.

Usage

[*form.*]*control.***Tics**[= *integer*]

Remarks

See the **example** for more information on setting tic properties.

Related Properties

TicColor, TicDeltaValue, TicFloat, TicFloatOffset, TicFontID, TicID, TicInnerRadius, TicLabel, TicLabelRadius, TicLabelRotated, TicOuterRadius, TicScaleID, TicStartValue, TicStopValue, TicStyle and TicWidth

Data Type

Integer

A **TURN** event is fired every time the control's value changes while the left mouse button is down.

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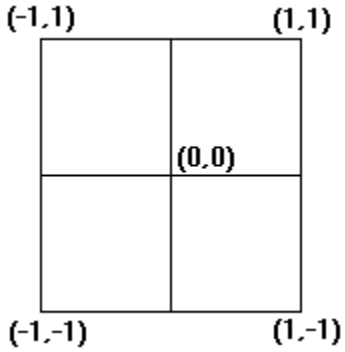
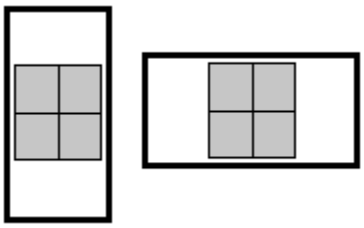
UNITLESS SCALE

Description:

Properties which are used to specify position or length use a scale which is based on the size of the control (instead of twips or pixels). For a control which is square, the coordinate system used is depicted with its origin at the center of the control and its width and height measured from -1 to 1.



For controls which are not square, the origin is still at the center of the control. The unit scale used, however, is based on the width or height whichever is smaller so that a unit square fits completely within the control as shown in the two controls below.



NOTE: For some variables (i.e., radii, width, etc.), the valid range of the unitless scale is from 0 to 1 (negative values have no meaning)