

**&PrintyesRtGauge , Tomasz Stanczak  
05.08.95nono&AboutyesFALSEyesyesyesRtGauge  
rtgaugeyes11/03/96**

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The above table of contents will be automatically completed and will also provide an excellent cross-reference for context strings and topic titles. You may leave it as your main table of contents for your help file, or you may create your own and cause it to be displayed instead by using the I button on the toolbar. This page will not be displayed as a topic. It is given a context string of `__` and a HelpContextID property of 32517, but these are not presented for jump selection.

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**RtGauge Component Ver. 1.02**  
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This little component does what you have certainly seen - it shows a progress bar. There are two other progress bars which have been shipped with Delphi - TBiGauge and TGauge. To tell the truth it was based on TGauge. So if you ask yourself why doing another Gauge component, the answer is easy. The TBiGauge is a VBX, so you have to distribute this along with your application, if you use it. But the real reason is, that TRtGauge is smaller AND faster than the other. If the only thing you want to do, is a progress bar, no fancy led indicator or so, then look at it.

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## Installation

From the Delphi main menu, select Options | Install Components | Add | Browse, and find RTGAUGE.DCU. Then confirm your decision until Delphi begins its installation. The TRtGauge will let install itself onto RiT Palette. With Options | Palette tab you can move it wherever you want.

# TRtGauge

Properties

Methods

Example

## Unit

RtGauge

## Description

TRtGauges only purpose is to show a progress of some action being taken. First of all you have to decide how it should be shown. To do it set the property Kind appropriately. Then if you want to see the percent numbers (ShowText). You can select colors of all three components elements: color of the background (Color property), the progress bar (FillColor) and text (TextColor). To change the look of the progress bars frame set BevelInner, BevelOuter, BorderStyle and BevelWidth.

To let it work set MinValue and MaxValue, then iterate through what you want to setting Value property in every iteration.

**Caution:** for Windows to be able to paint TRtGauges progress you have to give it time to do it. Look Application.ProcessMessages or Form.Update method up.

## Example

```
var
  i: integer;
begin
  Gauge.MinValue := 0;
  Gauge.MaxValue := 10000;
  for i:=0 to 10000 do
  begin
    Gauge.Value := i;           or Gauge.AddValue(1);
    Application.ProcessMessages;
  end;
end;
```

## Properties

Align

BevelInner

BevelOuter

BevelWidth

BorderStyle

Caption

Color

Font

ParentColor

ParentShowHint

FillColor

Kind

MinValue

MaxValue

Percent

ShowHint

ShowText

TextColor

TextKind

ValueVisiblee

## **Methods**

AddValue

## BevelInner

### Declaration

**property** BevelInner: TRtBevel;

### Description

defines the look of the RtGauges inner frame. Defaults to bsNone

## BevelOuter

### Declaration

**property** BevelOuter: TRtBevel;

### Description

defines the look of the RtGauges outer frame. Defaults to bsRaised

## BevelWidth

### Declaration

**property** BevelWidth: TBevelWidth;

### Description

defines the with of the frame, if at least one of them was defined. Defaults to 1.

## BorderStyle

### Declaration

**property** BorderStyle: TBorderStyle;

### Description

defines the border style of RtGauge. Defaults to bsNone

## Percent

### Declaration

**property** Percent: Longint;

### Description

this property is read only. Returns Value as percentage of the action done.

## Kind

### Declaration

property Kind: TRtGaugeKind;

### Description

defines the look of the progress bar. Default to gkHorizontalBar

## ShowText

### Declaration

**property** ShowText: Boolean;

### Description

decides if text representation of Value as percent should be showed. Defaults to True.

## FillColor

### Declaration

**property** FillColor: TColor;

### Description

defines the color of the progress bar.

## TextColor

### Declaration

**property** TextColor: TColor;

### Description

defines the color of percent shown, if ShowText property have been set True.

## MinValue

### Declaration

**property** MinValue: Longint;

### Description

defines minimum Value. Defaults to 0.

## MaxValue

### Declaration

**property** MaxValue: Longint;

### Description

defines maximum possible value of Value property. Defaults to 100.

## Value

### Declaration

**property** Value: Longint;

### Description

the value of the progress of the action being taken itself.

## AddValue

### Declaration

```
procedure AddValue(Value: Longint);
```

### Description

adds a longint to Value and refreshes RtGauge.

## Caption

### Declaration

**property** Caption: string;

### Description

defines a caption to be shown. It applies only if ShowText is True and TextKind=tkCaption.

## TextKind

### Declaration

**property** TextKind: TRtTextKind;

### Description

defines what should be painted in the gauge bar, a percentage value, an absolute value or a defined caption.

## TRtGaugeKind

### Declaration

```
type TRtGaugeKind = (gkText, gkHorizontalBar, gkVerticalBar);
```

### Description

kind of the RtGauge:

gkText:	no filled progress bar, only text percent value
gkHorizontal:	horizontal progress bar with or without text
gkVertical:	vertical progress bar with or without text

## TRtBevel

### Declaration

```
type TRtBevel = (bvNone, bvLowered, bvRaised);
```

### Description

kind of the RtGauge outline bevel. This is the same as TPanelBevel from ExtCtrls unit. Its here so that you dont have to use ExtCtrls, where it is defined.

## TRtTextKind

### Declaration

**type** TRtTextKind = (tkPercentage, tkAbsolute, tkCaption);

### Description

defines the kind of the text shown in the middle of the gauge. It can be a contents of the Percent property, Value property or a defined Caption.

## Technical Notes

RtGauge is a descendant of a TGraphicControl, so that it does not use a Window handle.

The shareware version of this component runs only if Delphi will be found in memory.

## Support

Support is available from the author via Compuserve Mail to 100735,3273 , Internet Mail to 100735.3273@compuserve.com or <http://ourworld.compuserve.com/homepages/tomasz>. Currently there is no postal, telephone, or fax support. All support is on a "best effort" basis, and no promise is made that all questions can be answered, problems solved, features added nor bugs exterminated.

## License

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Non-registered users may use the software to test it without any time frame, as long as they use the shareware version of RtGauge. A limited license is granted to copy and distribute shareware version of RtGauge only for the trial use of others.

## Warranty

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## Registration

<i>Product</i>	<i>Price</i>	<i>s&amp;h</i>
RtGauge	\$10 (15 DM)	2\$ (3 DM)
RtControls	\$39 (60 DM)	2\$ (3 DM)

### Only following payment methods will be accepted:

*Compuserve*: GO SWREG

ID# 7190 RtGauge alone

ID# 7197 RtControls

*Checks*: Only checks drawn on a US bank valued in US\$ or drawn on a German bank and valued in DM will be accepted. The checks should be made payable to **Tomasz Stanczak**. Please let us time after sending check, we cannot send you our product before the money is transferred.

Please fill in the Order Form and send with a payment to:

Tomasz Stanczak  
Hardenbergstr. 8  
31275 Lehrte  
Germany

*Credit Card Orders*: You can order with MC, Visa, Amex, or Discover from Public (software) Library by calling 800-2424-PsL or 713-524-6394 or by FAX to 713-524-6398 or by CIS Email to 71355,470. You can also mail credit card orders to PsL at P.O.Box 35705, Houston, TX 77235-5705.

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CIS: 100735,3273  
Internet: 100735.3273@compuserve.com  
WWW: <http://ourworld.compuserve.com/homepages/tomasz>

To order please specify Item# 14429, RtControls Delphi VCL Pack, price \$39 plus s&h \$2 (e-mail) or \$4 (Europe) or \$6 overseas.

To insure that you get the latest version, PsL will notify us the day of your order and we will ship the product directly to you.

### Shipping:

Currently only e-mail shipping is supported, so please always state your e-mail address!. In the future post shipping including printed documentation will be possible (no promise!).

Registered users will receive components full source code. Contact the author for multi-user discounts and site licenses.

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## Revision History

- 1.02** small painting error resolved.
- 1.01** properties Caption, TextKind added.
- 1.00** this is the intial version.

