CircularGauge Control Reference

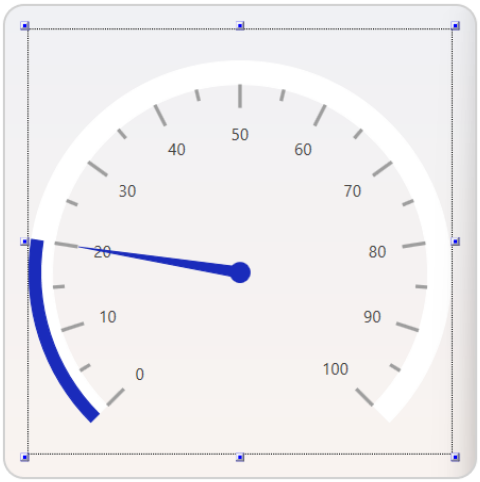
Display values on a circular scale.

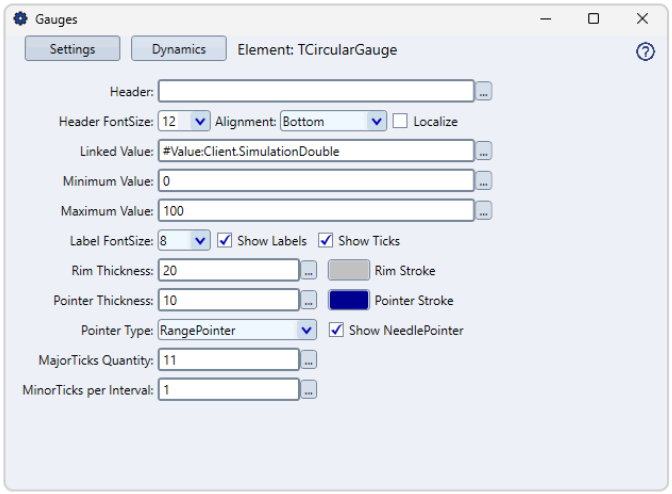
Reference **Controls** **Gauge** CircularGauge

Not available in FrameworX 10.1.5. This control is hidden from the Designer Components Panel and cannot be added to a Display. Use RadialGauge Control Reference instead. Existing Displays that already contain this control continue to load.

The Circular Gauge visualizes data from field devices and processes using a circular display. It allows configuring headers, font sizes, range values, angles, rim, and pointer thicknesses, and choosing pointer types including NeedlePointer, RangePointer, and SymbolPointer. The CircularGauge Control implements a standard circular gauge with the most common configuration settings.

Requirements
Configuration
Runtime Execution





Requirements

This component is Portable. It runs both on Windows and on Web Pages hosted in any platform.

Configuration

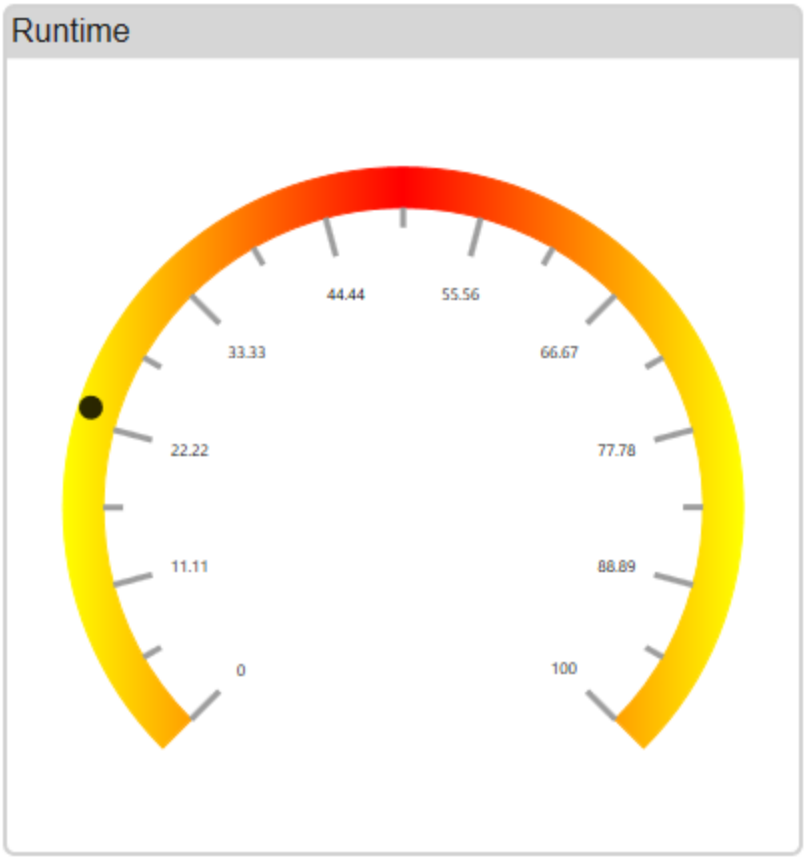
1. Go to **Displays / Draw**.
2. On the Components Panel, select **Gauges**, then **CircularGauge**.
3. Click or drag-and-drop it on the Drawing area to use it.
4. Double-click the object to open the configuration window.

Circular Gauge Settings	
Field	**Description**
Header	Defines the title of the gauge. Provides a concise label indicating the type of data or metric displayed.
Header FontSize	Sets the font size for the header text. Determines how large the header text will appear.

Alignment	Determines the position of the header within the gauge, offering the following placement options: **Top**: Positions the header at the center of the gauge's top boundary. This alignment places the text horizontally centered while ensuring it remains above the gauge components, making it suitable for a prominent title display. **Bottom**: Places the header at the center of the gauge's bottom boundary. The text aligns horizontally at the gauge's width midpoint, positioned at the lowest point to serve as a footer or additional information label. **TopLeft**: Aligns the header at the top-left corner of the gauge. The text is positioned to align with the leftmost edge of the gauge, providing a corner placement that allows space for other gauge elements and UI components. **TopRight**: Positions the header at the top-right corner of the gauge. The text aligns with the rightmost boundary while remaining at the top, ensuring that it does not interfere with other gauge elements. This placement is useful for right-aligned layouts. **BottomLeft**: Places the header at the bottom-left corner of the gauge. The text aligns to the left side while being positioned at the bottom edge, offering a subtle and unobtrusive placement for contextual information. **BottomRight**: Aligns the header at the bottom-right corner of the gauge. The text is positioned at the rightmost edge and bottom boundary, ensuring it complements right-aligned design elements and maintains a balanced visual structure.
Localize	Allows localization of the header text. Enables translation or adaptation of the text for different languages.
Linked Value	Links a specific data value or source to the gauge. Connects the gauge to the data it visualizes.
Minimum Value	Sets the minimum value the gauge can represent. Defines the starting point of the gauge range.
Maximum Value	Sets the maximum value the gauge can represent. Defines the end point of the gauge range.
Label FontSize	Sets the font size for the labels on the gauge. Determines how large the labels will appear.
Show Labels	Toggles the visibility of labels on the gauge. Allows users to see or hide the value labels.
Show Ticks	Toggles the visibility of tick marks on the gauge. Allows users to see or hide the tick marks.
Rim Thickness	Specifies the thickness of the outer rim of the gauge. Influences the visual weight of the gauge.
Rim Stroke	Sets the color for the stroke of the outer rim. Enhances the visual appearance of the rim.
Pointer Thickness	Specifies the thickness of the gauge pointer. Influences the prominence of the pointer.
Pointer Stroke	Sets the color for the stroke of the pointer. Enhances the visual appearance of the pointer.
Pointer Type	Defines the type of pointer used in the gauge (e.g., RangePointer). Customizes the pointer style. • **NeedlePointer**: This pointer type represents the data value with a needle-like indicator. It is commonly used to provide a precise and clear indication of the current value on the gauge. • **RangePointer**: This pointer type highlights a range on the gauge. It is useful for visualizing a span of values rather than a single point, allowing users to see the current range of interest. • **SymbolPointer**: This pointer type uses a symbol to indicate the data value.
MajorTicks Quantity	Sets the number of major tick marks on the gauge. Determines how many major divisions are shown.
MinorTicks per Interval	Sets the number of minor tick marks between each major tick. Determines the granularity of the gauge.

Runtime Execution

During runtime, the CircularGauge Control serves as an interactive interface for data visualization from field devices and processes. The control offers a selection of pointer types (NeedlePointer, RangePointer, and SymbolPointer) each providing a distinct method of indicating values. The TCircularGauge Control, with its standard configuration, integrates seamlessly into the monitoring system, allowing operators to observe and interpret data through the circular display.



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