# CenterValueGauge Control Reference

Show a centered numeric gauge value.

**Reference** **Controls** **Gauge** CenterValueGauge

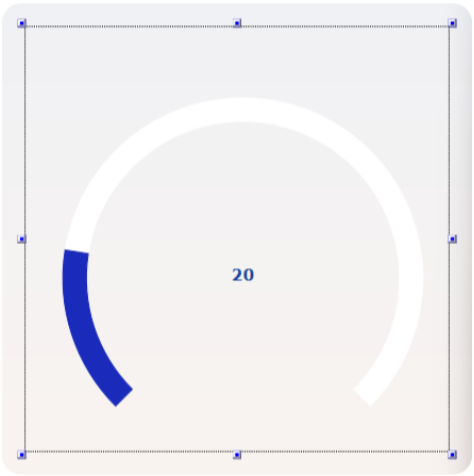
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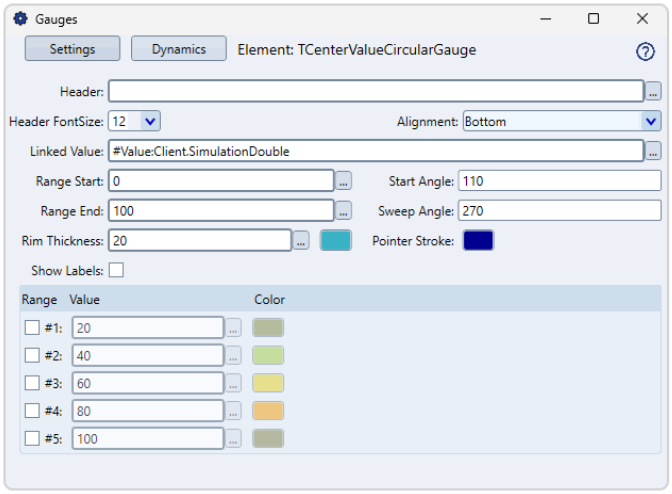
**Not available in FrameworX 10.1.5.** This control is hidden from the Designer Components Panel and cannot be added to a Display. Use RadialGauge Control Reference instead. Existing Displays that already contain this control continue to load.

The Center Value Circular Gauge visualizes data from field devices and processes using a circular display. It shows real-time data and provides info for monitoring. The gauge allows configuring headers, font sizes, range start and end, angles, rim and pointer thickness, and stroke widths. The CenterValueCicurlarGauge control implements a circular gauge showing its value in the center of gauge.


Requirements
Configuration
Runtime Execution


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## Requirements

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

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## Configuration

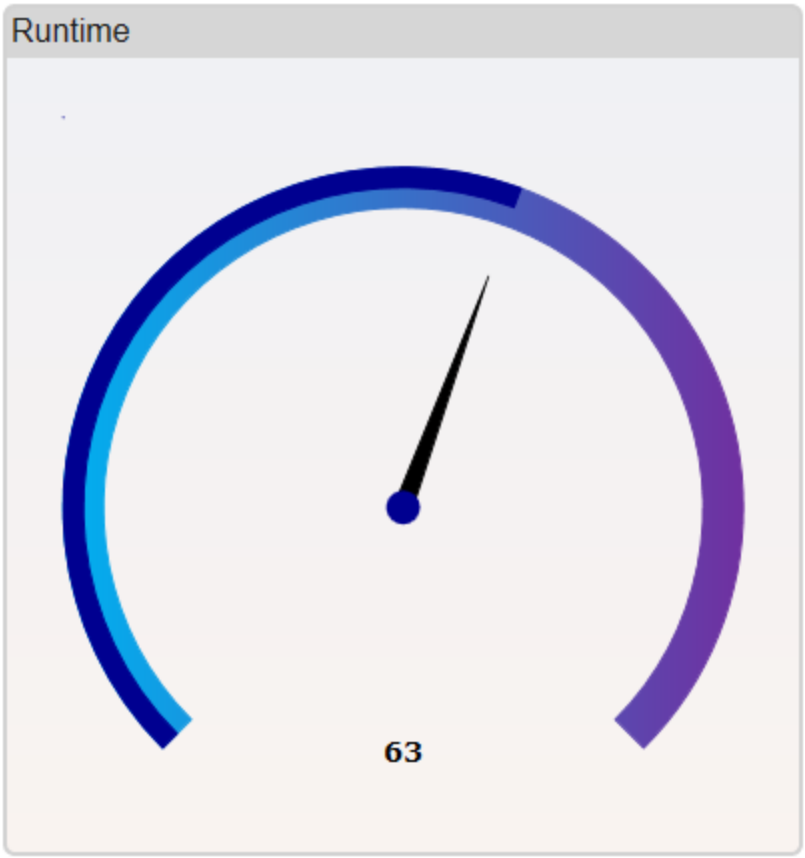
1. Go to **Displays / Draw**.
2. On the Components Panel, select **Gauges**, then **CenterValueCircularGauge**.
3. Click or drag-and-drop it on the Drawing area to use it.
4. Double-click the object to open the configuration window.

| **Center Value 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 Font-size | Defines the font size of the header text, enabling customization of text appearance for readability. |

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| Alignment | Determines the position of the header within the gauge, offering the following placement options:<br><br>**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.<br><br>**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.<br><br>**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.<br><br>**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.<br><br>**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.<br><br>**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. |
| Linked Value | Links a specific data value or source to the gauge. |
| Range Start | Defines the starting value of the gauge range. Sets the minimum value the gauge can represent. |
| Range End | Specifies the ending value of the gauge range. Sets the maximum value the gauge can represent. |
| Start Angle | Determines the starting angle of the gauge arc. Allows customization of the gauge's appearance. |
| Sweep Angle | Defines the extent of the gauge arc in degrees. Determines how much of a circle the gauge will cover. |
| Rim Thickness | Specifies the thickness of the outer rim of the gauge. Affects the visual weight and prominence of the gauge. |
| Stroke | Adjusts the stroke width of the gauge arc. Influences the visual clarity and emphasis of the gauge. |
| Range Values and Colors | Lists range values and their corresponding colors. It allows the user to specify different segments within the gauge, each represented by a unique color and corresponding value range. It enables visualize different data thresholds or categories within the gauge. To use, the user should mark the Range checkbox next to each range entry, define the max range value in the Value field, and select the respective color from the color picker. |

## Runtime Execution

During runtime, the Center Value Circular Gauge actively displays data from connected field devices and processes. This gauge presents real-time data within its central area, offering a clear view for ongoing monitoring. The TCenterValueCircularGauge control, by displaying the value at the center, facilitates immediate data reading and interpretation, supporting operators in their monitoring tasks.




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**In this section...**

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