# TritiumRadialGauge

Show a value on a circular dial with ranges, a needle, and optional dragging.

## Install

TritiumRadialGauge is part of Tritium UI for .NET MAUI. Add the package source from your license to your NuGet configuration, then restore from there. These packages are not on the public NuGet Gallery.

The URL below is a placeholder. Replace it with the package source on your license. This site does not publish that URL.

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <packageSources>
    <add key="TritiumApps" value="FEED_URL_FROM_YOUR_LICENSE" />
  </packageSources>
</configuration>
```

Reference the package on your license that includes TritiumRadialGauge.

## Platforms

Android, iOS, Mac Catalyst, and Windows 10 version 19041 and later (.NET 10 MAUI).

## Basic example

Declare this namespace on the page.

```
xmlns:gauges="clr-namespace:Tritium.Maui.Gauges;assembly=Tritium.Maui.Gauges"
<gauges:TritiumRadialGauge Minimum="0" Maximum="100" Value="72"
                           Title="Load" StartAngle="135" SweepAngle="270"
                           AllowNeedleDrag="True" />
```

## Features

• Set minimum, maximum, and a two-way value.
• Sweep any start angle and arc, from a full circle to a semicircle.
• Color bands with GaugeRange and add extra pointers with GaugeMarker.
• Show major and minor ticks, labels, a title, and a center label.
• Let the user drag the needle, snap to a step, and animate value changes.
• Lock the dial with IsReadOnly.
• Export the gauge to a PNG stream or file.

## Main API

• **Value.** The current reading, two-way.
• **Minimum.** Scale start; Maximum is the scale end.
• **Ranges.** Colored bands along the scale.

• **ValueChanged.** Fires with the previous and new values.

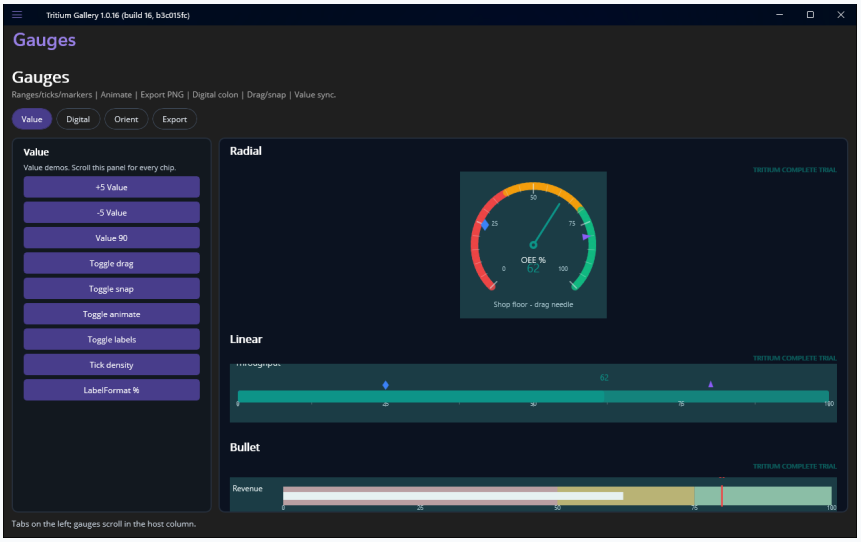
## Accessibility

• Give the control a visible name on the page, the same way you label any .NET MAUI view.
• Pick theme colors with a clear difference between the text and the surface behind it. The theme packs do not add a separate contrast mode. The difference comes from the colors you choose.
• Do not use color as the only way to tell two states apart.
• Try the page with the platform screen reader on Android, iOS, Mac Catalyst, and Windows.
• Keyboard access follows the .NET MAUI view. Check the control on each platform you ship.

## Tips

• Restore TritiumRadialGauge from the package source on your license. These packages are not on the public NuGet Gallery.
• Reference the package on your license that includes TritiumRadialGauge.
• Target frameworks are net10.0-android, net10.0-ios, net10.0-maccatalyst, and net10.0-windows10.0.19041.0. Minimum OS versions are Android 21, iOS 15, Mac Catalyst 15, and Windows 10.0.17763.

## Screenshot




TritiumRadialGauge