

WEINTEK LABS., INC.

Dynamic Scale

Demo Project

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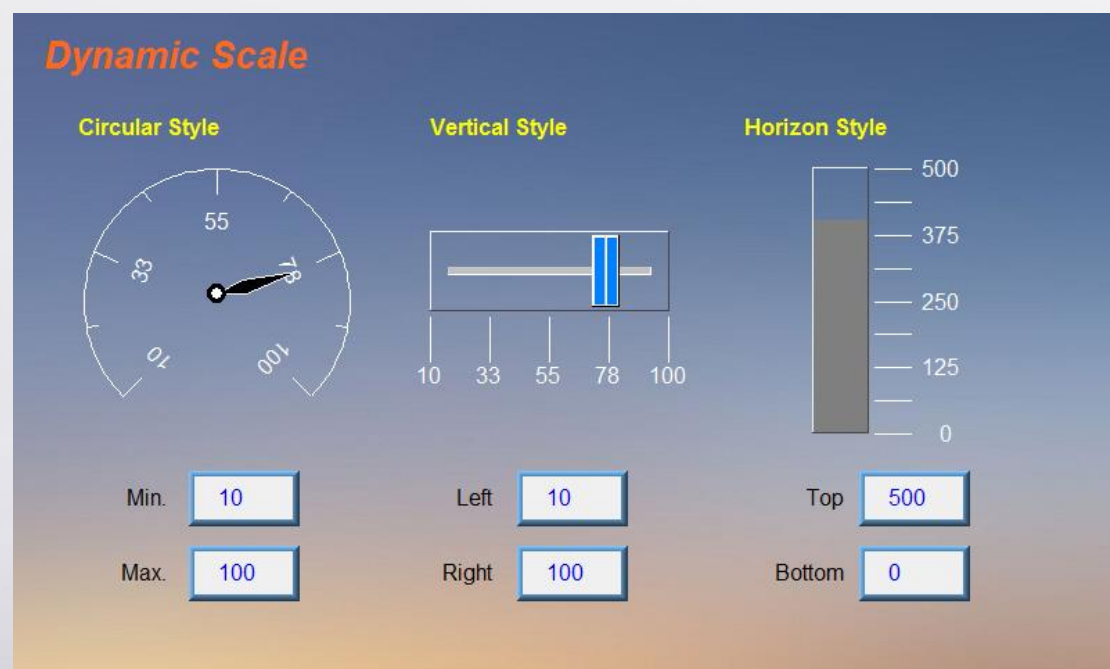
1. Overview and Operation

Overview

Different from the former scale object, Dynamic Scale object not only shows labels at major tick marks, but also allows changing Max. and Min. limits dynamically on HMI.

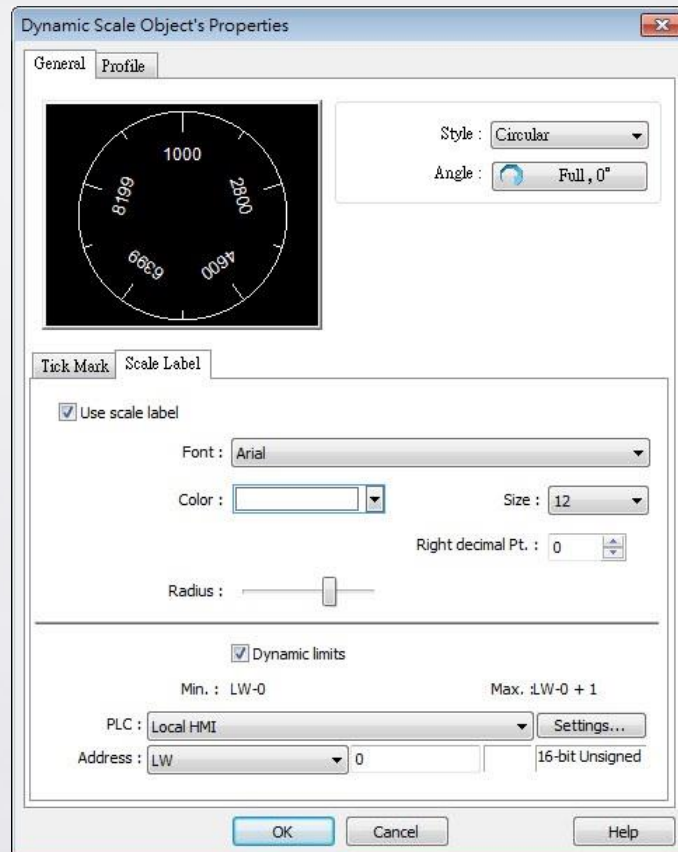
Operation

1. Run off-line simulation.
2. View the change of each scale style by adjusting their Max. and Min. limits.



2. Setting up the Screen

Step 1. Create the Dynamic Scale objects, in Scale Label tab select [Use scale label] and [Dynamic limits] check boxes.



Step 2. Create two Numeric objects for each Dynamic Scale object respectively. One of the Numeric objects set to the same control address as the Dynamic Scale object (ex: LW-0), for setting the minimum limit. Another Numeric object set to Dynamic Scale control address+1 (ex: LW-1), for setting the maximum limit.

3. Addresses

The addresses of key objects used in this demonstration are listed below.

Object	Address	Object ID	Description
Window 10			
Dynamic Scale	LW-0	DS_0	Circular Dynamic Scale
Dynamic Scale	LW-2	DS_1	Vertical Dynamic Scale
Dynamic Scale	LW-4	DS_2	Horizontal Dynamic Scale
Numeric Input	LW-0	NE_0	Set the min. limit of Circular Dynamic Scale
Numeric Input	LW-1	NE_1	Set the max. limit of Circular Dynamic Scale
Numeric Input	LW-2	NE_2	Set the min. limit of Vertical Dynamic Scale
Numeric Input	LW-3	NE_3	Set the max. limit of Vertical Dynamic Scale
Numeric Input	LW-4	NE_4	Set the min. limit of Horizontal Dynamic Scale
Numeric Input	LW-5	NE_5	Set the max. limit of Horizontal Dynamic Scale