

Testing a Control Panel

In this section you will learn how to test a control panel.

A control panel with one or more gadgets should be opened in the **HMI Control Panel Design** workbench.

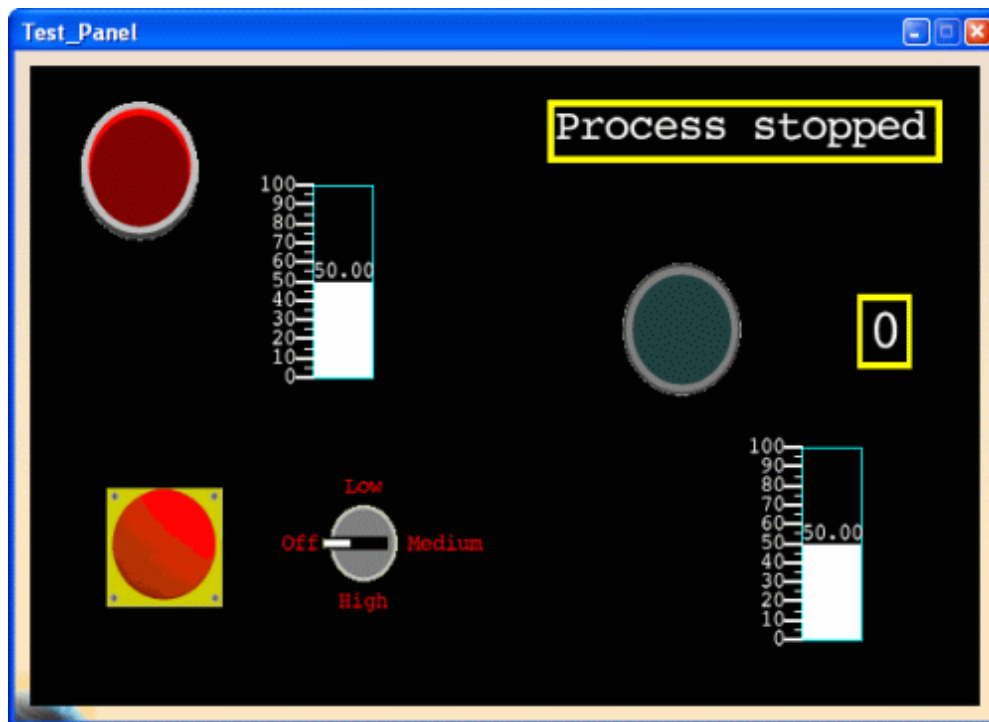
For example, create a panel with:

- gadgets that have output type signals: pushbutton, emergency button, switch, and slider
- gadgets that have input type signals: light, gauge, display text, and display value.



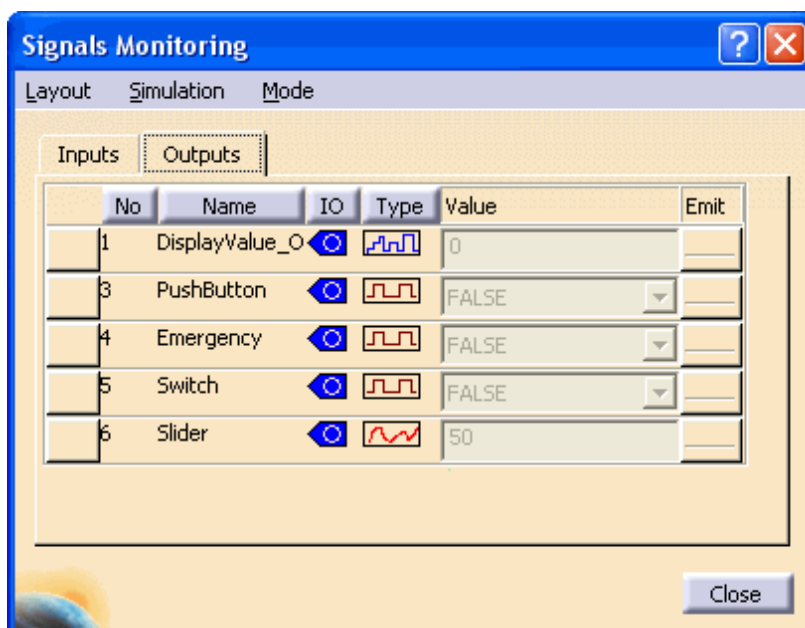
1. Click **Test Panel**  in the **Control Panel Management** toolbar.

A test window appears showing the control panel with all the defined gadgets.

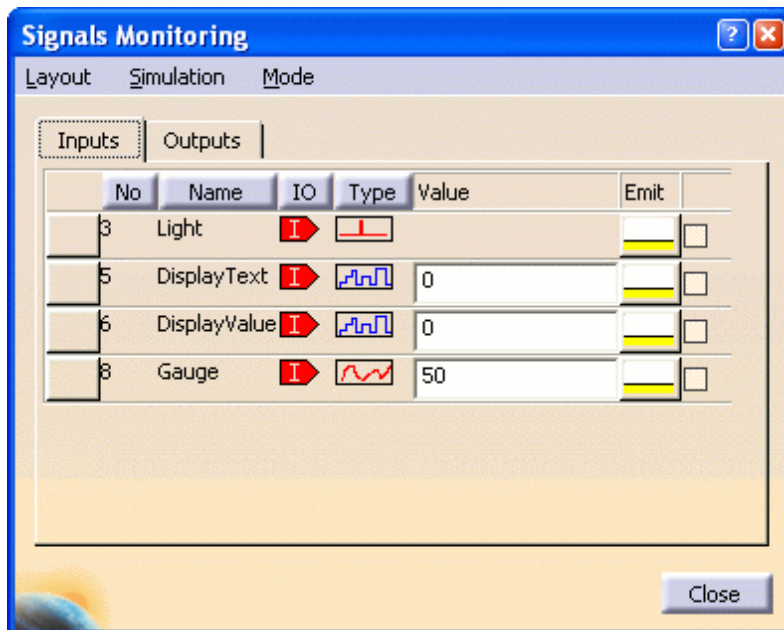


The Signals Monitoring dialog box also appears. It has a menu bar and two tabs.

The **Outputs** tab shows all the output signals:

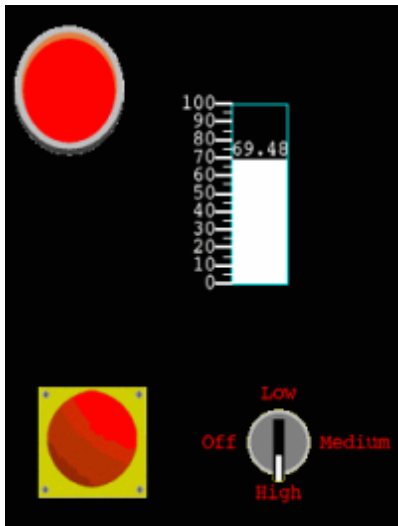


The **Inputs** tab shows all the input signals:



2. To test an output signal, act on the gadget directly in the test window:

- Click the pushbutton: the on/off state changes
- Click the emergency button: the on/off state changes
- Drag the slider up and down: the slider position changes
- Click the selector: the switch position changes in a clockwise direction.
Right-click the sector: the switch position changes in a counterclockwise direction.



- Click the display value.

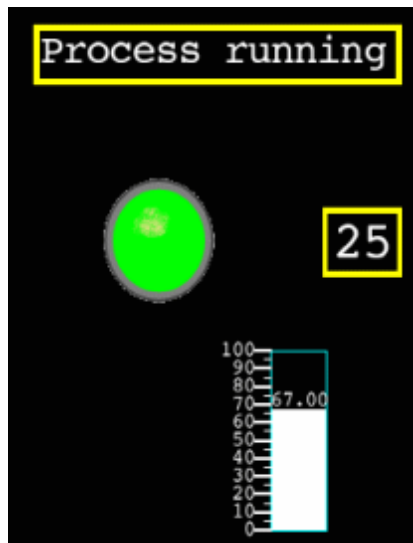
Enter the value in the field displayed and press **Enter**: the new value is displayed.



In each case, the corresponding signal value changes in the Signals Monitoring dialog box.

3. To test an input signal, change the signal value in the Signals Monitoring dialog box:

- Click the light Emit icon
- Enter a value for the display text
- Enter a value for the display value
- Enter a value for the gauge.



In each case, the corresponding gadget state changes in the test window.

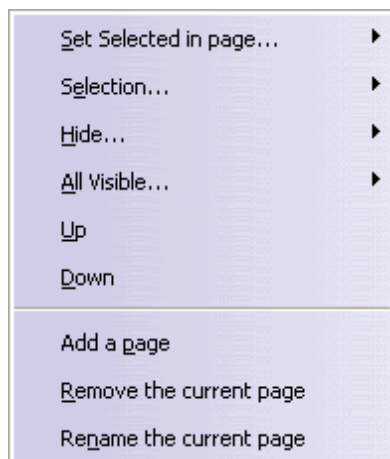
4. Click **Close** to exit the panel testing mode.

Menus of the Signals Monitoring Dialog Box

This dialog box has the following command menus.

Layout Menu

A signal is selected in the dialog box by clicking on the button to the left of the signal.



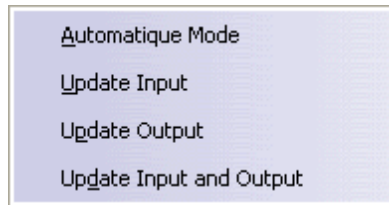
The commands in the menu allow you to:

- manage the selected status of signals in the dialog box
- manage the hide/show status of signals in the dialog box
- move signals up or down in the list of signals
- add tab pages to the dialog box
- remove or rename the current tab page.

Simulation Menu



Mode Menu



If **Automatic Mode** is set, then inputs and outputs are updated automatically. Otherwise they can be updated manually.

