6.3 Signal Oscilloscope

Hardware manual

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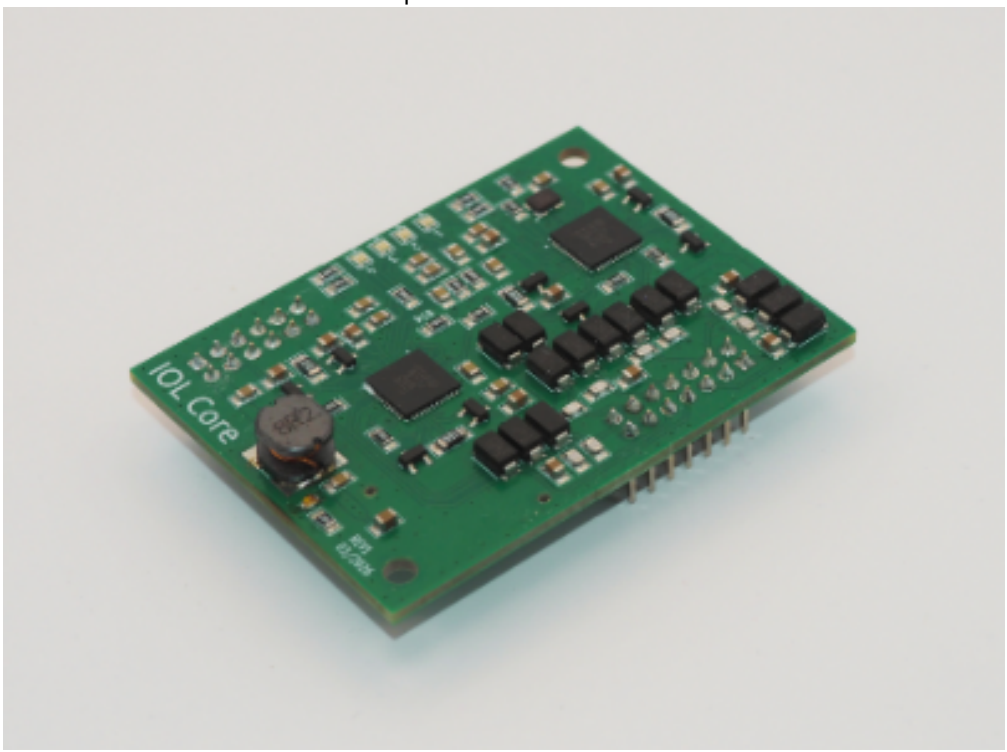


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6.3 Signal Oscilloscope

The signal oscilloscope is accessible directly from each trigger and timer configuration. It displays a real-time waveform of the selected IO-Link process data signal and allows the trigger level to be set visually. The scope reads from the same port and process data variable configured in the trigger or timer.



Controls

Control	Description
Mode: Auto	The scope re-arms automatically after each capture, continuously refreshing the waveform.
Mode: Single	Captures one waveform after the next trigger event, then holds.
Mode: Manual	Does not arm automatically; use the “Force” button to capture regardless of trigger condition.
Force button	Immediately captures the current signal. Available in Manual mode only.
Trigger Level	Adjusts the threshold at which the scope triggers. Changes take effect after immediately
Save	Explicitly saves the current trigger level back to the trigger or timer configuration on the settings page.
X (Close button)	Closes the scope and stops acquisition.

Display

Element	Description
Green trace	The signal waveform
Yellow horizontal line	Current trigger level
Red vertical line	Trigger point (t=0)

Technical Notes

- The scope samples at a 10ms interval.
- A pre-trigger buffer shows signal history before the trigger event.
- Trigger level changes made in the scope are reflected in the trigger or timer configuration form after pressing “Save”.