

Indigo500 series software version history

Release 1.16.2 highlights

Indigo500:

- **New feature:** Added date range selection to data export.
- Relays will be named 1 and 2 instead of A and B in Insight and Indigo80
- Connection indicator in device UI will stay on when connected with Insight.
- The values displayed in device settings are now rounded properly for the displayed unit.
- Updated measurement graph line colors to be more distinct.
- Improved measurement graph behavior when there is no data to show. In Indigo520 transmitters ordered from Vaisala with Polaris process refractometer software option selected:
- The Diagnostics menu has been moved from the home view. It can now be found from the main menu as a selected refractometer's submenu.
- Diagnostics prism wash and prism wash playback modal styles updated in device UI.
- Fix issue with showing concentration curve measurement range for RI curves in device UI.
- Fix how many decimals are shown for concentration curve C parameters in web UI.
- Fix issues with showing optical image when prism wash is enabled.

Release 1.16.1 highlights

Indigo500:

- Improved software stability with probe connectivity, screen handling and software update
- Improved Modbus TCP/IP latencies in some cases.

Release 1.16.0 highlights

- New feature:** Barometer module offset and linear correction, users can now set a fixed offset or linear two-point correction to adjust the output of the barometer module
- Improved modbus responses when communication to probe is interrupted while reading

Release 1.15.3 highlights

- Fix issue with device UI startup
- Fix issue with graph labels when language is changed while device is running

Release 1.15.2 highlights

- Fix issue with graph labels when using Chinese or Japanese language
- Fix potential memory issue with long running devices
- Improve the behaviour of settings pages in Web UI when window is very small
- Fix a timezone that wasn't showing up in Web UI

In Indigo520 transmitters ordered from Vaisala manufacturing with Polaris process refractometer software option selected:

- Fix for showing measurement units correctly when default non-metric or custom unit option is selected
- Fix for updating calibration date information on device touchscreen after RI calibration is performed
- Fix for refractometer "About device" information update

Release 1.15.1 highlights

- Improved behavior when dynamic features like analog input are toggled on and off quickly
- Fix for minor input field visual issues

In Indigo520 transmitters ordered from Vaisala manufacturing with Polaris process refractometer software option selected:

- Fix for RI calibration report CSV file generation
- Fix for showing refractometer diagnostics page in dark theme
- Several small visual changes to fix inconsistencies between device touchscreen UI and web UI.

Release 1.15.0 highlights

- New feature:** Polaris process refractometer support available in new Indigo520 transmitters ordered from Vaisala manufacturing with Polaris process refractometer support software option selected
- Only available in English

Features listed below available from the touchscreen and the web user interface:

New relay function: Prism wash

- Configuring prism washes

Diagnostics-menu for connected Polaris process refractometers

- Viewing of diagnostics and measurement registers.
- Viewing of optical image and slope
- Taking Field samples
- Manual running of configured prism washes
- Viewing of the latest prism wash event

Polaris refractometer refractive index calibration

Managing Polaris process refractometer's concentration curves

- Modification of field adjustment parameters
- Modification of concentration curve aliases
- Modification of chemical curve parameters

Refractometer damping configuration

Refractometer alias setting

Refractometer factory reset

Release 1.14.4 highlights

New feature: configure analog outputs and relays from Indigo80 or over Modbus TCP/IP

- Indigo80 and Modbus TCP/IP offers same configuration options for analog outputs and relays as device UI and Web UI, please refer to user guide for details

Release 1.14.3 highlights

New feature: Indigo80 support

- Indigo80 can read measurements from Indigo500 and its probes.
- Probes can be adjusted and configured using Indigo80 when connected to Indigo500.

New feature: Modbus TCP/IP write support

- Write support is disabled by default for security reasons.
- Possible to change probe settings over Modbus TCP/IP.
- Analog output fix for Fahrenheit units.

Web UI

- Data export works now in background and doesn't block using web UI.
- Improved notification handling.

Release 1.14.1 highlights

Device

- Memory usage improvements.
- Responsiveness of touch screen improved.

Web UI

- Improve software update process.
- Fix how parameter is shown between attached/detached probe.
- Analog output fix for Fahrenheit units.

Release 1.14.0 highlights (this software version including cumulatively the previous versions' updates):

New feature: Analog Input

- Analog input terminals can be used to measure current, for example from analog probe output.
- Probe port 2 can be used to power an external analog input device
- Current measurement can be used as source for outputs and relays.
- Current measurement can be displayed in home view cards and graph view.
- The raw value of analog input can be read from I/O status page.
- Some of the wording on the UI has been adjusted to accommodate analog input.

Device

- More robust monitoring on Inputs and Outputs page.
- Fixed analog output setting issues in specific configurations.
- Relay functionality fix related to sw update.

Modbus TCP/IP

- Added analog input measurement registers.
- Added analog input diagnostic registers (raw value).
- Improved response times.
- Improved behavior when reading registers that don't exist.

Web UI

- Improve display of test mode and error status for relays and analog outputs.
- Unit conversion fix.

Release 1.13.2 highlights

Critical fixes for datalogging

- Web UI did not connect to device when starting.
- Export file missing after export completed.
- All device services did not start-up.

Release 1.13.1 highlights

Datalogging improvement

- CSV export to support Web UI unit selection.
- Logging to be continued after crash.
- Fixes and improvements
 - Reconnecting probe caused extra columns, fixed.
 - Export stability improvement.
 - Timestamp in clear intervals

Device

- Timestamp in clear intervals in graph.

Release 1.13.0 highlights

Datalogging improvement

- Old datalogger replaced by new trend logging implementation.
- Exported CSV file has been done major overhaul.
- Possibility to cancel data export.

Device

- UI Enhancements
 - New enhanced coloring to have same look and feel with every Vaisala Indigo family product.
 - Parameter selection fields now shows the source of the parameter.
 - Temperature compensation page has better information about the functionality.
 - Touch feedback improvement.
 - Warning toaster improvement.
- Modbus TCP/IP typical response time improved from ~2000ms to <1000ms.

Web UI

- Relay functionality enhancements.
- Drop-down menu now formatting the text properly.
- Probe parameters now cleared from the drop-down menu when probe removed.
- Measurement dashboard now shows values and remains functional when probe removed.

Release 1.12.1 highlights

Web UI

- Technical improvement for graph data.
- Analog output validation logic improvement.
- Small improvements and fixes.

Device

- Small improvements and fixes.

Release 1.12.0 highlights

Device

- UI enhancements
 - Source coloring for icon and probe id.
 - Max/Min view coloring for parameters.

Small improvements and fixes.

Release 1.11.1 highlights

Fix for Release '1.11.0'.

Release 1.11.0 highlights

Device

- Screen lock implementation.

Web UI

- Screen lock support.

Small fixes and improvements

Release 1.10.0 highlights

Device

- Improvement of clock accuracy.
- Japan version hides imperial units from selection.

Fixes and improvements

- Switching a T compensating probe causes measurement to be stuck. Fixed.
- Date-time change generates notification event.
- Time zone selection from Web UI to Device fixed.

Release 1.9.1 highlights

Fix for Release '1.9.0'