

Vaisala Indigo 200 Series Transmitters for Vaisala's Smart Probes



Features

- Plug-and-play probe connection for Vaisala CO₂ probes GMP251 and GMP252 and vaporized hydrogen peroxide probe HPP272
- Wireless interface for configuration and temporary use
- Operating temperature: -40 ... +60 °C, with display -20 ... +60 °C
- LCD color display (optional non-display version for analog model)
- IP65 enclosure
- 24 V power supply input
- Indigo 201: 3 analog outputs (mA or V)
- Indigo 202: RS485 with Modbus RTU
- 2 configurable relays

Indigo 200 series is a host device for Vaisala's CO₂ probes GMP251 and GMP252, and the H₂O₂ probe HPP272.

Vaisala Indigo 200 Series Transmitters are host devices where the measurement result of Vaisala Indigo compatible probes is shown on the display and/or converted into other formats, for example, analog output signals and to a level where the relays are activated. These probe hosts are plug-and-play devices for current and future Vaisala Indigo compatible probes. The host device has a color LCD display; Indigo 201 is also available as a non-display version with a LED indicator for notifications.

Vaisala Indigo compatible probes are connected either directly to the host with a probe locking wheel, or by using a cable between Indigo 200 and the probe.

The Indigo 200 has a browser-based wireless (WLAN) configuration interface for a mobile device or

computer that supports a wireless connection. The host device and the probes connected to it can be configured using the wireless user interface. It also allows for temporary viewing of the measurement data.

The surface of the Indigo 200 enclosure is smooth, which makes it easy to clean. It is also resistant to dust and most chemicals, such as, H₂O₂, and alcohol-based cleaning agents.



An example of a wireless configuration window.

Technical Data

General

Supports Indigo compatible probes: CO₂ probes GMP251 and GMP252, vaporized hydrogen peroxide probe HPP272
 LCD color display version (Indigo 201: optional non-display)
 Wireless (WLAN) configuration interface:
 connect to the Indigo 200 and use the browser-based user interface for device configuration and measurement data viewing.

Technical Data

Operating voltage 15 ... 30 VDC, (20 ... 22 VAC)
 Operating temperature -40 ... +60 °C, with display -20 ... +60 °C
 Relay contacts x 2 max. switching power 30 W
 max. switching current 1 A
 max. switching voltage 40 VDC / 28 VAC

Material

Housing PC/ABS plastic
 Display window PMMA plastic
 Housing classification IP65
 Screw terminals wire size 0.2 mm² ... 1.5 mm²
 Weight 0.4 kg
 Chemical tolerance (temporary exposure during cleaning)
 H₂O₂ (6000 ppm) non-condensing;
 alcohol-based cleaning agents (e.g. ethanol and IPA)
 Electromagnetic compatibility EN61326-1,
 Generic Environment
 Contains FCC ID QOQ-WGM110, IC 5123A-WGM110,
 MIC 209-J00197, MSIP-CRM-BGT-WGM110
 Safety IEC/UL/EN 61010-1

INDIGO 201 MODEL

Three analog outputs (voltage or current)
 Voltage 0 ... 1 V, 0 ... 5 V, 0 ... 10 V, 1 ... 5 V, scalable,
 min. load 1 kΩ
 Current 4 ... 20 mA, 0 ... 20 mA, scalable, max. load 500 Ω
 Accuracy of analog outputs at 20 °C ±0.1% full scale
 for 0 ... 10 V and 0 ... 20mA

INDIGO 202 MODEL

Digital communications RS485, Modbus RTU

Accessories

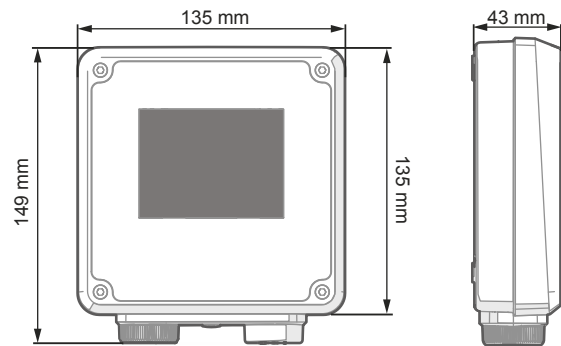
| | |
|-------------------------|----------------|
| Remote probe cable 1 m | INDIGOCABLE1M |
| Remote probe cable 3 m | INDIGOCABLE3M |
| Remote probe cable 5 m | INDIGOCABLE5M |
| Remote probe cable 10 m | INDIGOCABLE10M |

Wireless (WLAN) Configuration Interface

Module with internal chip antenna
 Networking standards IEEE 802.11 b/g/n compliant

Dimensions

in mm
 135 (w) x 149 (h) x 43 (d)



Note: All GMP251 and GMP252 probes manufactured from 2017 onwards with serial numbers starting with the letter N or latter in alphabetical order have full Indigo compatibility.

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