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Vaisala Indigo 200 Series Transmitters for Vaisala's Smart Probes

Features

- Plug-and-play probe connection for Vaisala CO_2 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 CO_2 probes GMP251 and GMP252, and the H_2O_2 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, H_2O_2, and alcohol-based cleaning agents.

An example of a wireless configuration window.

Technical Data

General

Supports Indigo compatible probes: CO_2 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 mm^2 ... 1.5 mm^2
Weight	0.4 kg
Chemical tolerance (temporary exposure during cleaning)	H_2O_2 (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

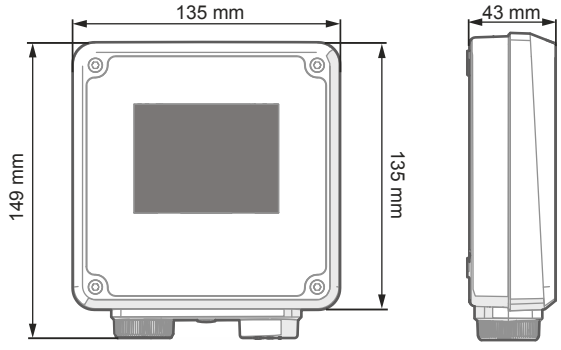
Remote probe cable 1 m	INDIGOCABLE1M
Remote probe cable 3 m	INDIGOCABLE3M
Remote probe cable 5 m	INDIGOCABLE5M
Remote probe cable 10 m	INDIGOCABLE10M

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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