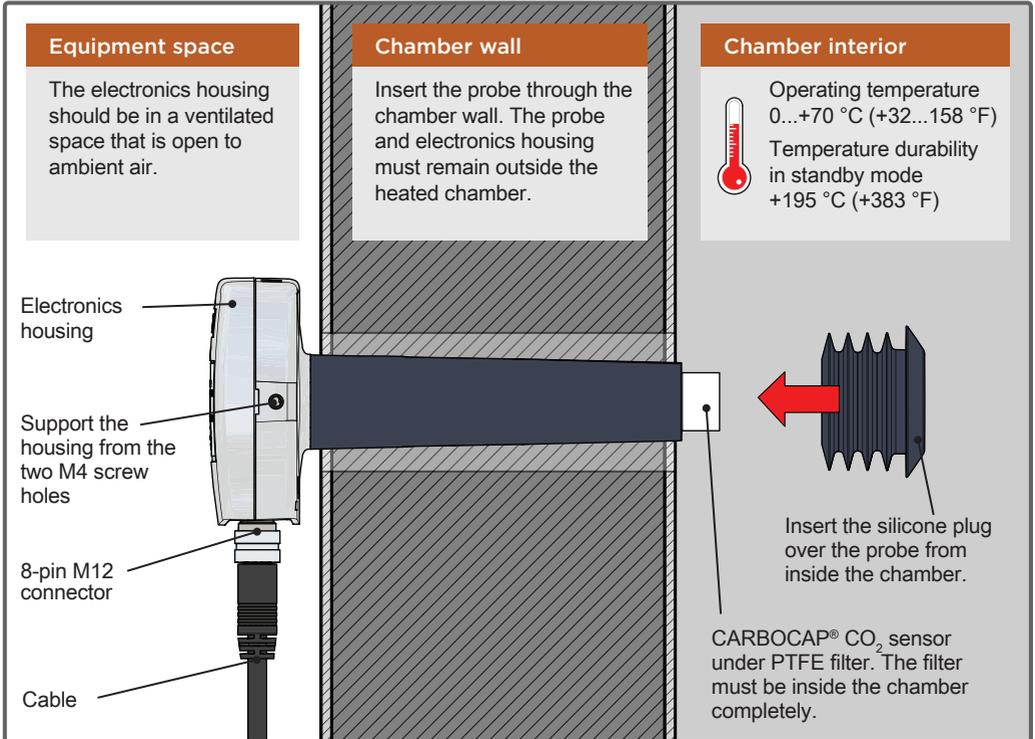
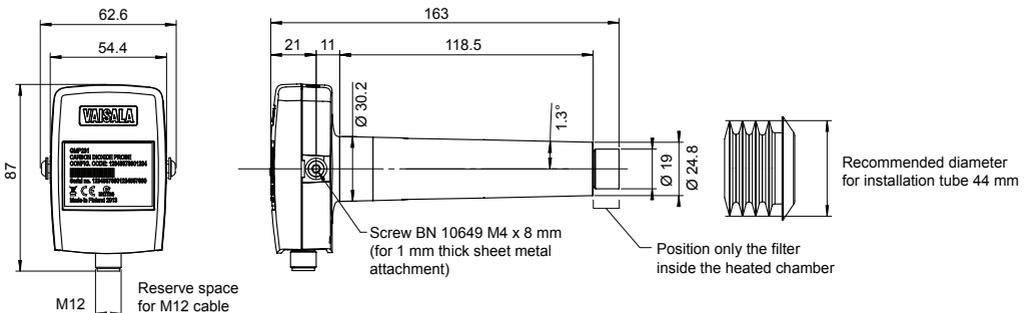


Installation



Dimensions (in millimeters)



Important - Read Before Installation

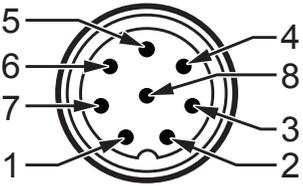
GMP231 is designed to remain installed during typical heat sterilization cycles (maximum temperature inside chamber 195 °C / 383 °F). To achieve this, you must install and operate the probe correctly:

- Only the sensor should be exposed to heat. The filter must be completely in the heated chamber, but the probe must remain inside the unheated chamber wall. The probe body must not extend more than 5 mm into the chamber.
- During the sterilization cycle, you must turn off the CO₂ measurement, or power off the probe completely.
- The installation tube must be sealed from the chamber side to limit heat conduction, and to prevent CO₂ in the chamber from entering the probe. Vaisala recommends a 44 mm diameter installation tube together with Vaisala's silicone plug.

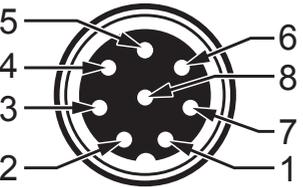
For more information, download the complete GMP231 User's Guide (document code M211501EN) from www.vaisala.com/gmp231.

Wiring

GMP231 Connector Pinout

| Male 8-pin M12 | Pin # | Function | Note |
|--|-------|----------------------|---|
|  | 1 | I ² C SDA | Three-wire 5 V I ² C (pins 1, 3, and 8). |
| | 2 | RS-485 D- | RS-485 default setting: 19200, 8, N, 1. |
| | 3 | I ² C SCL | |
| | 4 | Analog output + | 0 ... 20 mA or 4 ... 20 mA output. |
| | 5 | Standby | Ground this pin to turn off measurement. |
| | 6 | RS-485 D+ | |
| | 7 | Power supply + | 11 ... 30 VDC, max. 1 W (pulsed). |
| | 8 | Ground | |
| | - | Shield | Connect shield on both ends of cable. |

Cable DRW240977

| Female 8-pin M12 | Pin # | Function | Open ended wires (no connector) |
|--|-------|----------------------|--|
|  | 1 | I ² C SDA |  White |
| | 2 | RS-485 D- |  Brown |
| | 3 | I ² C SCL |  Green |
| | 4 | Analog output + |  Yellow |
| | 5 | Standby |  Grey |
| | 6 | RS-485 D+ |  Pink |
| | 7 | Power supply + |  Blue |
| | 8 | Ground |  Red |
| | - | Shield |  Black |

