# VAISALA

**Order form**  Valid from August 2019
Orderer  Order no.

## GMP251 Carbon Dioxide Probe for % measurements

| Vaisala CARBOCAP® Carbon Dioxide Probe | | GMP251 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1** Probe type / Analog Output Scaling | **0...20 %with standard filter** | | A | | | | | | | | |
| | **0...10 %with standard filter** | | B | | | | | | | | |
| | **0...5 % with standard filter** | | C | | | | | | | | |
| | **0...2 % with standard filter** | | D | | | | | | | | |
| | **0...3 % with standard filter** | | E | | | | | | | | |
| | *0...20 % with flow-through adapter* | | F | | | | | | | | |
| **2** Output mode | **RS-485 Modbus** | | | 0 | | | | | | | |
| | **RS-485 Vaisala protocol / Indigo™ use** | | | 1 | | | | | | | |
| | *4...20 mA** | | | 2 | | | | | | | |
| | *0...20 mA** | | | 3 | | | | | | | |
| | *0...5 V** | | | 4 | | | | | | | |
| | *0...10 V** | | | 5 | | | | | | | |
| | **RS-485 Vaisala protocol 9600 bauds, N, 8, 1** | | | K | | | | | | | |
| **3** Temperature compensation | **Temperature setpoint 25 °C**** | | | | A | | | | | | |
| | **Temperature setpoint 37 °C**** | | | | B | | | | | | |
| | **Active internal compensation**** | | | | C | | | | | | |
| **4** Pressure compensation | **Pressure setpoint 1013 hPa**** | | | | | 0 | | | | | |
| **5** Background gas compensations | **Background gas setpoint 0 %O2, 0 %RH**** | | | | | | A | | | | |
| | **Background gas setpoint 21 %O2, 50 %RH**** | | | | | | B | | | | |
| | **Background gas setpoint 19.7 %O2, 93 %RH**** | | | | | | C | | | | |
| **6** Cable | **no cable** | | | | | | | 0 | | | |
| | *Probe cable with open wires (1.5 m)* | | | | | | | 1 | | | |
| | *Probe cable with open wires and 90° plug (0.6 m)* | | | | | | | 3 | | | |
| | *Probe cable with open wires (10 m)* | | | | | | | 4 | | | |
| | *Probe cable with open wires (3 m)* | | | | | | | 5 | | | |
| | *Probe cable with open wires and 90° plug (1.5 m)* | | | | | | | 6 | | | |
| | *High-temperature cable (+180 °C) with open wires (1 m)* | | | | | | | 7 | | | |
| **7** Mounting | **no mounting accessories** | | | | | | | | N | | |
| | *Probe mounting clips (2 pcs)* | | | | | | | | C | | |
| | *Probe mounting flange* | | | | | | | | F | | |
| **8** Package | **Single package** | | | | | | | | | 1 | |
| | **10 piece multi-package** (to use this, order must contain 10 units) | | | | | | | | | 2 | |

*Probe options and settings / Other options*

**Selections in bold are included in the prices of the basic version.**
*Selections in italic are available at an extra price.*

\*) Analog output mode requires grounding of pin 5 (connecting pin 3 and pin 5 together)
\*\*) Compensation setpoint values can be updated via RS485 communications
\*\*\*) Uses the probe internal temperature sensing, accuracy limited to ±3 °C in typical installation conditions

Examples of order codes with typical settings:

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| Standard CO₂ Probe for incubator application | **GMP251** | A | 2 | B | 0 | C | *1* | N | 1 |

End customer:

### Accessories

| | Item code |
|---|---|
| Standard membrane filter | ASM211650SP |
| Porous sintered PTFE filter, extra protection | DRW243649SP |
| Flow-through adapter with gas ports | ASM211697SP |
| Probe cable with open wires (1.5 m) | 223263SP |
| Probe cable with open wires (3 m) | 26719SP |
| Probe cable with open wires (10 m) | 216546SP |
| Probe cable with open wires and 90° plug (0.6 m) | 244669SP |
| Probe cable with open wires and 90° plug (1.5 m) | 255102 |
| High-temperature cable (+180 °C) with open wires (1 m) | CBL210780-1MSP |
| Probe mounting clips (2 pcs) | 243257SP |
| Probe mounting flange | 243261SP |
| USB cable for PC connection | 242659 |
| MI70 connection cable for probe | CBL210472 |
| Flat cable for GMP250 probes, M12-5pin | CBL210493SP |
| Calibration adapter | DRW244827SP |

# GMP251 Carbon Dioxide Probe for % measurements
# For Indigo™ Transmitter

| Vaisala CARBOCAP® Carbon Dioxide Probe | | GMP251 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | PRICE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1** Probe type / Analog | **0...20 %with standard filter** | **A** | | | | | | | | | |
| Output Scaling | **0...10 %with standard filter** | **B** | | | | | | | | | |
| | **0...5 % with standard filter** | **C** | | | | | | | | | |
| Indigo transmitter | **0...2 % with standard filter** | **D** | | | | | | | | | |
| automatically use this | **0...3 % with standard filter** | **E** | | | | | | | | | |
| scale on its outputs | *0...20 % with flow-through adapter* | *F* | | | | | | | | | |
| **2** Output mode | **Indigo™ use** | | **1** | | | | | | | | |
| **3** Temperature | **Temperature setpoint 25 °C** | | | **A** | | | | | | | |
| compensation | **Temperature setpoint 37 °C** | | | **B** | | | | | | | |
| | **Active internal compensation\*** | | | **C** | | | | | | | |
| **4** Pressure | **Pressure setpoint 1013 hPa** | | | | **0** | | | | | | |
| compensation | | | | | | | | | | | |
| **5** Background gas | **Background gas setpoint 0 %O2, 0 %RH** | | | | | **A** | | | | | |
| compensations | **Background gas setpoint 21 %O2, 50 %RH** | | | | | **B** | | | | | |
| | **Background gas setpoint 19.7 %O2, 93 %RH** | | | | | **C** | | | | | |
| **6** Cable | **no cable** | | | | | | **0** | | | | |
| **7** Mounting | **no mounting accessories** | | | | | | | **N** | | | |
| **8** Package | **Single package** | | | | | | | | **1** | | |
| | **10 piece multi-package (to use this, order must contain 10 units)** | | | | | | | | **2** | | |

Selections in bold are included in the prices of the basic version.
*Selections in italic are available at an extra price.*

\*) Uses the probe internal temperature sensing, accuracy limited to ±3 °C in typical installation conditions

Examples of order codes with typical settings:

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| GMP251 with typical settings | **GMP251** | A | 1 | A | 0 | B | 0 | N | 1 |

End customer: _____

### Accessories

| | Item code |
|---|---|
| Probe connection cable for Indigo™, 1 m | INDIGOCABLE1M |
| Probe connection cable for Indigo™, 3 m | INDIGOCABLE3M |
| Probe connection cable for Indigo™, 5 m | INDIGOCABLE5M |
| Probe connection cable for Indigo™, 10 m | INDIGOCABLE10M |
| Standard membrane filter | ASM211650SP |
| Porous sintered PTFE filter, extra protection | DRW243649SP |
| Flow-through adapter with gas ports | ASM211697SP |
| Probe mounting clips (2 pcs) | 243257SP |
| Probe mounting flange | 243261SP |
| USB cable for PC connection | 242659 |
| MI70 connection cable for probe | CBL210472 |
| Flat cable for GMP250 probes, M12-5pin | CBL210493SP |
| Calibration adapter | DRW244827SP |