

## GMP252 CO2 Probe for ppm Measurements



GMP252 Order Form  
G010007EN-A  
Valid from March 2023

CO2 Probe for ppm Measurements		SPARE CODE	GMP252	1	2	3	4	5	6	7	8	
hardware	1 Probe Type	<b>0...10 000 ppm Probe with Sintered PTFE Filter</b>		<b>1</b>								
		<b>0...5000 ppm Probe with Sintered PTFE Filter</b>		<b>2</b>								
		<b>0...2000 ppm Probe with Sintered PTFE Filter</b>		<b>3</b>								
		<b>0...3000 ppm Probe with Sintered PTFE Filter</b>		<b>4</b>								
		<b>0...20 000 ppm Probe with Sintered PTFE Filter</b>		<b>5</b>								
		<b>0...20 000 ppm Probe with Porous Sintered PTFE Filter (Indigo80)</b>		<b>6</b>								
settings	2 Output Mode	<b>RS-485 Modbus</b>		<b>0</b>								
		<b>Digital Output RS-485</b>		<b>1</b>								
		<b>4...20mA Output <sup>1</sup></b>		<b>2</b>								
		<b>0...20mA Output <sup>1</sup></b>		<b>3</b>								
		<b>0...5V Output <sup>1</sup></b>		<b>4</b>								
		<b>0...10V Output <sup>1</sup></b>		<b>5</b>								
		<b>0...1V Output <sup>1</sup></b>		<b>6</b>								
		<b>0...10V Output with Error Level 10.5V <sup>1</sup></b>		<b>A</b>								
		3 Temperature Compensation	<b>Temperature Setpoint +25°C (+77°F) <sup>2</sup></b>		<b>A</b>							
			<b>Temperature Setpoint +37°C (+99°F) <sup>2</sup></b>		<b>B</b>							
<b>Active Internal Temperature Compensation <sup>3</sup></b>			<b>C</b>									
4 Pressure Compensation	<b>Pressure Setpoint 1013 hPa <sup>2</sup></b>		<b>O</b>									
	<b>Pressure Setpoint 982 hPa <sup>2</sup></b>		<b>T</b>									
5 Background Gas Compensation	<b>Background Gas Setpoint 0%O<sub>2</sub>, 0%RH <sup>2</sup></b>		<b>A</b>									
	<b>Background Gas Setpoint 21%O<sub>2</sub>, 50%RH <sup>2</sup></b>		<b>B</b>									
accessory	6 Cable	<b>No Cable</b>		<b>0</b>								
		<i>1.5 m Probe Cable with Open Wires</i>	<i>223263SP</i>	<i>1</i>								
		<i>0.6 m Probe cable with Open Wires and 90° Plug</i>	<i>244669SP</i>	<i>3</i>								
		<i>10 m Probe Cable with Open Wires</i>	<i>216546SP</i>	<i>4</i>								
		<i>3 m Probe Cable with Open Wires</i>	<i>26719SP</i>	<i>5</i>								
		<i>1.5 m Probe cable with Open Wires and 90° Plug</i>	<i>255102</i>	<i>6</i>								
		<i>High Temperature Durable Cable With Open Wires</i>	<i>CBL210780-IMSP</i>	<i>7</i>								
		<i>M12-M12 Probe Connection Cable (Indigo80)</i>	<i>272075SP</i>	<i>8</i>								
		<i>Flat Probe Connection Cable (Indigo80)</i>	<i>CBL210493SP</i>	<i>9</i>								
		7 Mounting	<b>No Mounting Accessories</b>		<b>N</b>							
<i>Probe Mounting Clips (2 pcs)</i>	<i>243257SP</i>		<i>C</i>									
<i>Probe Mounting Flange</i>	<i>252346SP</i>		<i>F</i>									
<i>Probe Handle with Magnetic Hanger (Indigo80)</i>	<i>GMP252HANDLESP</i>		<i>H</i>									
hardware	8 Package	<b>Single Package</b>		<b>1</b>								
		<b>10 Piece Multi-package (available if the order contains 10 units)</b>		<b>2</b>								
		<b>Single Package for Probe with Handle (Indigo80)</b>		<b>3</b>								

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

**NOTE:** Selections in bold are included in the prices of the basic versions.  
• Selections in italic are available at an extra price.

**LINKS:** [User Guides](#)  
[Datasheet](#)  
[Vaisala.com product page](#)

Example of order code with typical settings:

	1	2	3	4	5	6	7	8
<b>GMP252</b>	<b>5</b>	<b>0</b>	<b>C</b>	<b>0</b>	<b>B</b>	<b>7</b>	<b>N</b>	<b>1</b>

### Related Items

- Connection Cable, M12-5F - Open Wires, 10 m
- Connection Cable, M12-5F - Open Wires, 1.5 m
- USB Service Cable M12-5F, RS-485
- Probe Mounting Clips (2 pcs)
- Probe Mounting Flange
- Connection Cable, M12-5F 90° - Open Wires, 0.6 m
- Mounting flange for GMP251 and GMP252
- Cable, Spare Part M12/5(F)-Open, 5x0.34mm<sup>2</sup>, 1.5m, PP-EPDM/PP, GRY
- Cable, Instrumentation, SH, M12/5(F) RA-Open, 5x0.34mm<sup>2</sup>, 1.5m, PP/PUR, HF, BLK
- Connection Cable, M12-5F - Open Wires, 3 m
- Cable, Spare Part M12/5(M)-M12/5(F), 5x0.34mm<sup>2</sup>, 1.5m, PP/PUR, BLK
- Flow Through Adapter Assembly GMP252 Spare Part
- Spray Shield (IPX9 Rating)
- Magnetic Hanger Spare Part
- GMP252 Handle Spare Part
- M170 Connection Cable with M12-5F Connector
- Flat Cable, M12-5(M) - M12-5(F), 1m
- Cable, Sensor, M12/5(F)-Open For GMP250 Probes
- Porous Sintered PTFE Filter, Extra Protection
- Calibration Adapter
- Radiation Shield for Outdoor Use
- Radiation Shield with Mast Installation Kit

### Part number

- 216546SP
- 223263SP
- 242659
- 243257SP
- 243261SP
- 244669SP
- 252346SP
- 254294SP
- 255102
- 26719SP
- 272075SP
- ASM212011SP
- ASM212017SP
- ASM214318SP
- ASM214342SP
- CBL210472
- CBL210493SP
- CBL210780-IMSP
- DRW244221SP
- DRW244827SP
- DTR250
- DTR250A