



Piezo-resistive Gauge CPT 200 (1 – 2000 hPa)

The CPT 200 gauge affords accurate measurements from 1 to 2000 hPa, independently of the type of gas. With its rugged metallic case and the digital interface, this gauge is especially suitable for operation in vacuum and other systems.





Similar Image

CPT 200, DN 16 ISO-KF, RS-485, analog

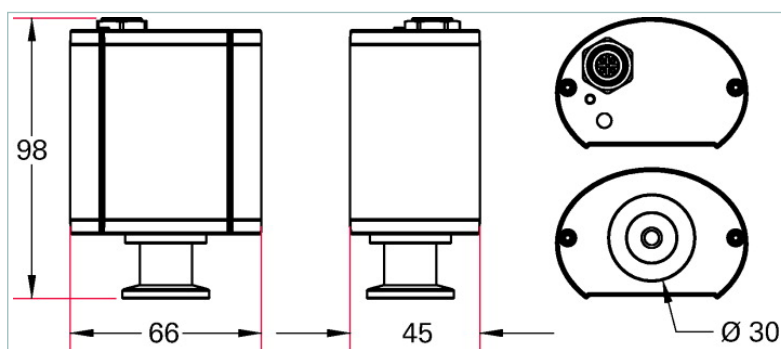
- 1 to 2000 hPa
- Robust sensor
- Gas type independent measurement
- Profibus DP Interface (optional)
- Analog output and set points (optional)

G = cylindric pipe thread

PB = additionally with Profibus-DP interface

AR = additionally with analogue output and two switch-points

Dimensions



DN 1 DN 16 ISO-KF

| Technical Data | CPT 200, DN 16 ISO-KF, RS-485, analog |
|--|---|
| Accuracy | 1-1200 hPa: $\pm 0,1\%$ F.S.; >1200 hPa: $\pm 1\%$ F.S. |
| Bakeout temperature max. at the flange | 70 °C 158 °F 343 K |
| Full scale | 2000 |
| Identification resistor | 13.2 k Ω |
| Interface: Connection | Digital RS-485; M12 f, 5-pole; Analog 0-10 V; 2 SP; M12 f, 8-pole |
| Materials in contact with media | Ceramic, Stainless Steel, FPM |
| Measurement range max. | 2,000 hPa 1,500 Torr 2,000 mbar |
| Measurement range min. | 1 hPa 0.75 Torr 1 mbar |
| Measuring cycle | 10 ms |
| Method of measurement | Piezo |
| Nominal diameter | DN 16 ISO-KF |
| Pressure max. | 4,000 hPa 3,000 Torr 4,000 mbar |
| Protection category | IP54 |
| Seal | FPM |
| Sensor cable length max. | 100 m |
| Supply: power consumption | 2.2 W |
| Supply: to be secured by | 1 AT |
| Supply: Voltage | 24 V DC |
| Temperature: Operating | 5-60 °C 41-140 °F 278-333 K |
| Temperature: Storage | -40-65 °C -40-149 °F 233-338 K |
| Weight | 190 g |

Order number

Piezo-resistive Gauge CPT 200 (1 – 2000 hPa) **PT R36 131**

| Accessories | |
|--|----------------------|
| Adapter and power switching components | |
| Adapter RS-485, M12, 4-pole - D-sub socket, 9-pole, 0.2 m | PT 348 133 -T |
| Connection cable, RS-485, M12/D-sub 9-pole, 3 m | PT 348 223 -T |
| M12 m plug 4-pole with screw terminals RS-485 | PT 348 106 -T |
| M12 m plug 8-pole with screw terminals DigiLine AR | PT 348 107 -T |
| Interface and extension cables | |
| Interface cable, M12 m straight/M12 m straight, 3 m | PM 061 283 -T |
| Mains- and supply cables | |
| Supply cable DigiLine, M12, 4-pole to TPS, 3 m | PT 348 163 -T |
| Measuring and interface cable | |
| Gauge cable DigiLine xPT 200 AR to TPG 2xx, 3 m | PT 348 250 -T |
| RS-485 | |
| Connector M12 to RS-485 | PM 061 270 -X |
| Power separator for RS-485 | PT 348 132 -T |
| PV TurboControl - Software for Pfeiffer Vacuum products with PV protocol | PM 061 741 |
| Termination resistor for RS-485 | PT 348 105 -T |
| USB converter to RS-485 interface | PM 061 207 -T |
| Y-Connector M12 to RS-485 | P 4723 010 |
| Soft- and Firmware | |
| DokuStar Plus software, 16 channels | PT 882 501 |
| TPS-19" rack module | |
| TPS 111, mains pack 19" rack module 3HU | PM 061 344 -T |
| TPS wall rail fitting | |
| TPS 110, mains pack for wall/standard rail fitting | PM 061 340 -T |
| Vacuum accessories | |
| Centering ring with metal mesh-fine filter, pore size 4 m, FPM/stainless steel | PT 120 132 -T |
| Centering ring with poral filter, pore size 20 m, FPM/stainless steel | PF 117 216 -T |