



Piezo/Pirani combination RPT 200 ($1 \cdot 10^{-4}$ – 1200 hPa)

The RPT 200 gauge affords accurate measurements from high vacuum to atmospheric pressure and above. With its rugged metallic case and digital interface it is particularly suited for operation in vacuum and other systems.



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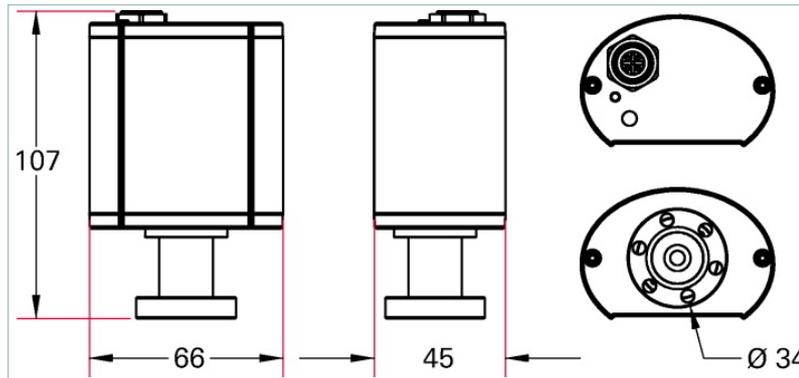
RPT 200, DN 16 CF-F, RS-485, analog

- $1 \cdot 10^{-4}$ to 1200 hPa
- Combination of two sensors
- High accuracy up to atmospheric pressure
- Profibus DP Interface (optional)
- Analog output and set points (optional)

PB = additionally with Profibus-DP interface

AR = additionally with analogue output and two switch-points

Dimensions



DN 1 DN 16 CF-F

| Technical Data | RPT 200, DN 16 CF-F, RS-485, analog |
|--|--|
| Accuracy | $< 2 \cdot 10^{-3}$ factor 2; $2 \cdot 10^{-3} - 10$ hPa: $\pm 10\%$; 10-1200 hPa: $\pm 0.3\%$ F.S. |
| Bakeout temperature max. at the flange | 125 °C 257 °F 398 K |
| Full scale | 1200 |
| Identification resistor | 3.0 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 | Stainless steel, Tungsten, gold, silicon oxide, glass |
| Measurement range max. | 1,200 hPa 900 Torr 1,200 mbar |
| Measurement range min. | $1 \cdot 10^{-4}$ hPa $7.5 \cdot 10^{-5}$ Torr $1 \cdot 10^{-4}$ mbar |
| Measuring cycle | 10 ms |
| Method of measurement | Piezo/Pirani |
| Nominal diameter | DN 16 CF-F |
| Pressure max. | 4,000 hPa 3,000 Torr 4,000 mbar |
| Protection category | IP54 |
| Repeatability: % of measurement | 10-1200 hPa: $\pm 0.1\%$ F.S.; $1 \cdot 10^{-3} - 1$ hPa: $\pm 1\%$ |
| Seal | Metal |
| Sensor cable length max. | 100 m |
| Supply: power consumption | 3.2 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 | 225 g |

| Order number | |
|--|----------------------|
| Piezo/Pirani combination RPT 200 (1 · 10 ⁻⁴ – 1200 hPa) | PT R37 311 |
| 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 |