



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.





Similar Image

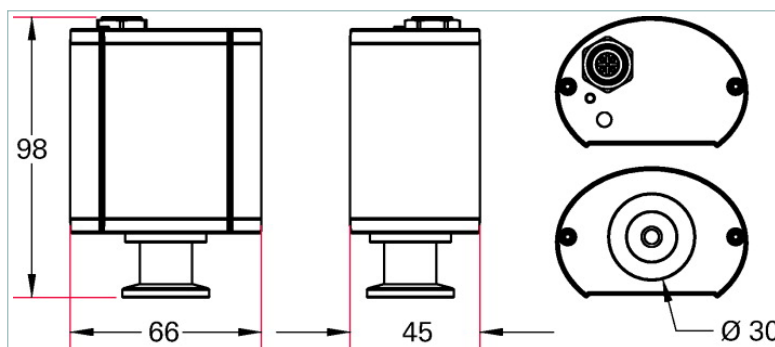
RPT 200, DN 16 ISO-KF, RS-485, analog

- $1 \cdot 10^{-4}$ 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 ISO-KF

Technical Data	RPT 200, DN 16 ISO-KF, 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 kΩ
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 ISO-KF
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	195 g

Order number

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PT R37 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