Pirani Gauge PPT 200 (1 · 10-4 – 1000 hPa)

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

伯東 Hakuto

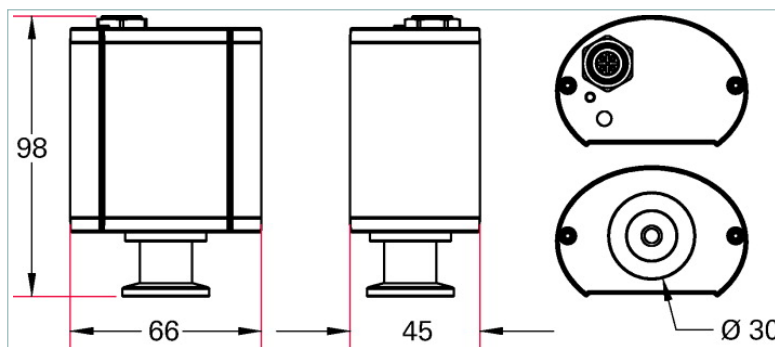PFEIFFER VACUUM

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

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- 1 · 10^{-4} to 1000 hPa
- High protection level for industrial applications
- 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	PPT 200, DN 16 ISO-KF, RS-485, analog
Accuracy: % of measurement	< 2 · 10^{-3} hPa: < factor 2, 2 · 10^{-3} - 20 hPa: ± 10 %, 20 - 1000 hPa: ± 30 %
Bakeout temperature max. at the flange	125 °C **|** 257 °F **|** 398 K
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	Tungsten, stainless steel, glass
Measurement range max.	1,000 hPa **|** 750 Torr **|** 1,000 mbar
Measurement range min.	1 · 10^{-4} hPa **|** 7.5 · 10^{-5} Torr **|** 1 · 10^{-4} mbar
Measuring cycle	10 ms
Method of measurement	Pirani
Nominal diameter	DN 16 ISO-KF
Pressure max.	4,000 hPa **|** 3,000 Torr **|** 4,000 mbar
Protection category	IP54
Repeatability: % of measurement	2 · 10^{-3} - 10 hPa: ± 2 %
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	190 g

Order number	
Pirani Gauge PPT 200 (1 · 10^{-4} – 1000 hPa)	**PT R38 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**