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.

伯東 Hakuto

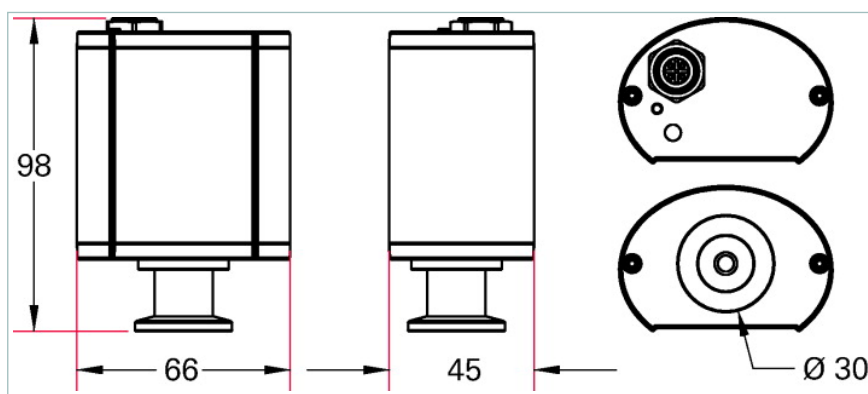PFEIFFER VACUUM

CPT 200, G ¼", RS-485

- 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

Similar Image

Dimensions

DN 1   G ¼"

Technical Data	CPT 200, G ¼", RS-485
Accuracy	1-1200 hPa: ± 0,1 % F.S.; >1200 hPa: ± 1 % F.S.
Bakeout temperature max. at the flange	70 °C | 158 °F | 343 K
Full scale	2000
Interface: Connection	Digital RS-485; M12 f, 5-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	G ¼"
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	1.5 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 210**

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**
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**
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**