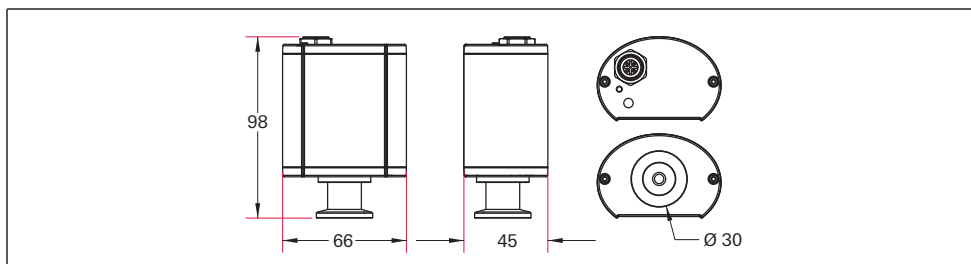


## Piezo-resistive Gauge CPT 200 (1 – 2000 hPa)



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

### Dimensions (in mm)



Technical data	CPT 200, DN 16 ISO-KF, RS-485	CPT 200, DN 16 ISO-KF, RS-485, analog	CPT 200, DN 16 ISO-KF, RS-485, Profibus	CPT 200, DN 16 ISO-KF, RS-485, DeviceNet
Flange (in)	DN 16 ISO-KF	DN 16 ISO-KF	DN 16 ISO-KF	DN 16 ISO-KF
Seal	FPM	FPM	FPM	FPM
Pressure max.	400 kPa	400 kPa	400 kPa	400 kPa
Full scale	2000	2000	2000	2000
Accuracy	1-1200 hPa: ± 0.1 % F.S.; >1200 hPa: ± 1 % F.S.	1-1200 hPa: ± 0.1 % F.S.; >1200 hPa: ± 1 % F.S.	1-1200 hPa: ± 0.1 % F.S.; >1200 hPa: ± 1 % F.S.	1-1200 hPa: ± 0.1 % F.S.; >1200 hPa: ± 1 % F.S.
Weight	190 g	190 g	190 g	190 g
Materials in contact with media	Ceramic, stainless steel, FPM	Ceramic, stainless steel, FPM	Ceramic, stainless steel, FPM	Ceramic, stainless steel, FPM
Measurement range max.	2000 hPa	2000 hPa	2000 hPa	2000 hPa
Measurement range min.	1 hPa	1 hPa	1 hPa	1 hPa
Sensor cable length max.	1000 m	100 m	100 m	100 m
Method of measurement	Diaphragm, piezoresistive (gas type independent)	Diaphragm, piezoresistive (gas type independent)	Diaphragm, piezoresistive (gas type independent)	Diaphragm, piezoresistive (gas type independent)
Measuring cycle	10 ms	10 ms	10 ms	10 ms
Interface: Connection	Digital RS-485 ; M12, 5-pole	Digital RS-485 ; M12, 5-pole; Analog 0-10 V; 2 SP; M12, 8-pole	Digital RS-485 , M12, 5-pole, Profibus DP, M12, 5-pole	Digital RS-485 , M12, 5-pole, DeviceNet, M12, 5-pole
Protection category	IP 54	IP 54	IP 54	IP 54
Temperature: Bakeout	70 °C	70 °C	70 °C	70 °C
Temperature: Operating	5-60 °C	5-60 °C	5-60 °C	5-60 °C
Temperature: Storage	-40-+65 °C	-40-+65 °C	-40-+65 °C	-40-+65 °C
Supply: Voltage	24 V DC	24 V DC	24 V DC	24 V DC
Supply: Power consumption max.	1.5 W	2.2 W	3.0 W	2.0 W

Order number				
CPT 200, DN 16 ISO-KF	PT R36 130	PT R36 131	PT R36 132	PT R36 133

Accessories				
Centering ring with poral filter, Pore size: 20 µm, FPM/stainless steel, DN 16 ISO-KF	PF 117 216 -T	PF 117 216 -T	PF 117 216 -T	PF 117 216 -T
Fine filter, pore size 4 µm, DN 16 ISO-KF	PT 120 132 -T	PT 120 132 -T	PT 120 132 -T	PT 120 132 -T

Further accessories see controller DPG 202

Technical data	CPT 200, G 1/4", RS-485	CPT 200, G 1/4", RS-485, analog	CPT 200, G 1/4", RS-485, Profibus	CPT 200, G 1/4", RS-485, DeviceNet
Flange (in)	G 1/4"	G 1/4"	G 1/4"	G 1/4"
Seal	FPM	FPM	FPM	FPM
Pressure max.	400 kPa	400 kPa	400 kPa	400 kPa
Full scale	2000	2000	2000	2000
Accuracy	1-1200 hPa: ± 0.1 % F.S.; >1200 hPa: ± 1 % F.S.	1-1200 hPa: ± 0.1 % F.S.; >1200 hPa: ± 1 % F.S.	1-1200 hPa: ± 0.1 % F.S.; >1200 hPa: ± 1 % F.S.	1-1200 hPa: ± 0.1 % F.S.; >1200 hPa: ± 1 % F.S.
Weight	190 g	190 g	190 g	190 g
Materials in contact with media	Ceramic, stainless steel, FPM		Ceramic, stainless steel, FPM	Ceramic, stainless steel, FPM
Measurement range max.	2000 hPa		2000 hPa	2000 hPa
Measurement range min.	1 hPa		1 hPa	1 hPa
Sensor cable length max.	100 m	100 m	100 m	100 m
Method of measurement	Diaphragm, piezoresistive (gas type independent)	Diaphragm, piezoresistive (gas type independent)	Diaphragm, piezoresistive (gas type independent)	Diaphragm, piezoresistive (gas type independent)
Measuring cycle	10 ms	10 ms	10 ms	10 ms
Interface: Connection	Digital RS-485 ; M12, 5-pole	Digital RS-485 ; M12, 5-pole; Analog 0-10 V; 2 SP; M12, 8-pole	Digital RS-485 , M12, 5-pole, Profibus DP, M12, 5-pole	Digital RS-485 , M12, 5-pole, DeviceNet, M12, 5-pole
Protection category	IP 54	IP 54	IP 54	IP 54
Temperature: Bakeout	70 °C	70 °C	70 °C	70 °C
Temperature: Operating	5-60 °C	5-60 °C	5-60 °C	5-60 °C
Temperature: Storage	-40-+65 °C	-40-+65 °C	-40-+65 °C	-40-+65 °C
Supply: Voltage	24 V DC	24 V DC	24 V DC	24 V DC
Supply: Power consumption max.	1.5 W	2.2 W	3.0 W	2.0 W

Order number				
CPT 200 , G 1/4"	PT R36 210	PT R36 211	PT R36 212	PT R36 213

Further accessories see controller DPG 202