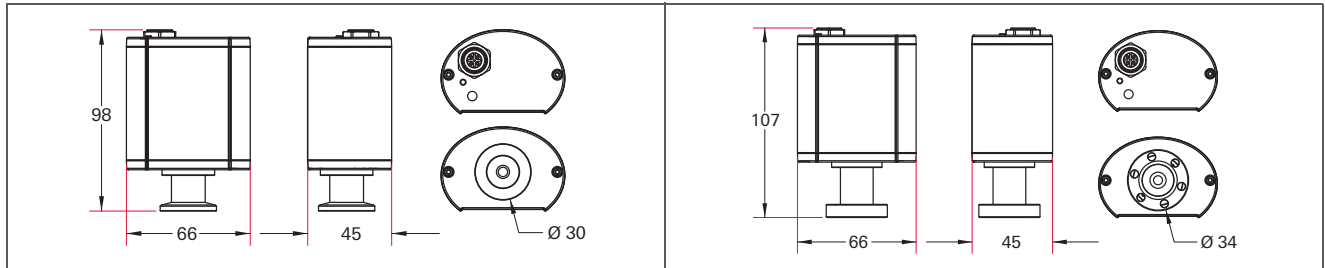


Piezo/Pirani Gauge RPT 200 (1 · 10⁻⁴ – 1200 hPa)

- 1 · 10⁻⁴ to 1200 hPa
- Combination of two sensors
- High accuracy up to atmospheric pressure
- Profibus DP Interface (optional)
- DeviceNet Interface (optional)
- Analog output and set points (optional)

Dimensions (in mm)



RPT 200, DN 16 ISO-KF

RPT 200, DN 16 CF-F

Technical data	RPT 200, DN 16 ISO-KF, RS-485	RPT 200, DN 16 ISO-KF, RS-485, analog	RPT 200, DN 16 ISO-KF, RS-485, Profibus	RPT 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	Metal	Metal	Metal	Metal
Pressure max.	400 kPa	400 kPa	400 kPa	400 kPa
Full scale	1200	1200	1200	1200
Accuracy	< 2 · 10 ⁻³ factor 2; 2 · 10 ⁻³ - 10 hPa: ± 10 %; 10-1200 hPa: ± 0.3 % F.S.	< 2 · 10 ⁻³ factor 2; 2 · 10 ⁻³ - 10 hPa: ± 10 %; 10-1200 hPa: ± 0.3 % F.S.	< 2 · 10 ⁻³ factor 2; 2 · 10 ⁻³ - 10 hPa: ± 10 %; 10-1200 hPa: ± 0.3 % F.S.	< 2 · 10 ⁻³ factor 2; 2 · 10 ⁻³ - 10 hPa: ± 10 %; 10-1200 hPa: ± 0.3 % F.S.
Weight	195 g	195 g	195 g	195 g
Materials in contact with media	Stainless steel, Tungsten, gold, silicon oxide, glass	Stainless steel, Tungsten, gold, silicon oxide, glass	Stainless steel, Tungsten, gold, silicon oxide, glass	Stainless steel, Tungsten, gold, silicon oxide, glass
Measurement range max.	1200 hPa	1200 hPa	1200 hPa	1200 hPa
Measurement range min.	1 · 10 ⁻⁴ hPa	1 · 10 ⁻⁴ hPa	1 · 10 ⁻⁴ hPa	1 · 10 ⁻⁴ hPa
Sensor cable length max.	100 m	100 m	100 m	100 m
Method of measurement	Piezo/Pirani	Piezo/Pirani	Piezo/Pirani	Piezo/Pirani
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	125 °C	125 °C	125 °C	125 °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.	2.5 W	3.2 W	4.0 W	2.9 W
Repeatability: % of measurement	10-1200 hPa: ± 0.1% F.S.; 1 · 10 ⁻³ - 1 hPa: ± 1 %	10-1200 hPa: ± 0.1% F.S.; 1 · 10 ⁻³ - 1 hPa: ± 1 %	10-1200 hPa: ± 0.1% F.S.; 1 · 10 ⁻³ - 1 hPa: ± 1 %	10-1200 hPa: ± 0.1% F.S.; 1 · 10 ⁻³ - 1 hPa: ± 1 %

Order number				
RPT 200, DN 16 ISO-KF	PT R37 130	PT R37 131	PT R37 132	PT R37 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	RPT 200, DN 16CF-F, RS-485	RPT 200, DN 16 CF-F, RS-485, analog	RPT 200, DN 16 CF-F, RS-485, Profibus	RPT 200, DN 16 CF-F, RS-485, DeviceNet
Flange (in)	DN 16 CF-F	DN 16 CF-F	DN 16 CF-F	DN 16 CF-F
Seal	Metal	Metal	Metal	Metal
Pressure max.	400 kPa	400 kPa	400 kPa	400 kPa
Full scale	1200	1200	1200	1200
Accuracy	< 2 · 10 ⁻³ factor 2; 2 · 10 ⁻³ - 10 hPa: ± 10 %; 10-1200 hPa: ± 0.3 % F.S.	< 2 · 10 ⁻³ factor 2; 2 · 10 ⁻³ - 10 hPa: ± 10 %; 10-1200 hPa: ± 0.3 % F.S.	< 2 · 10 ⁻³ factor 2; 2 · 10 ⁻³ - 10 hPa: ± 10 %; 10-1200 hPa: ± 0.3 % F.S.	< 2 · 10 ⁻³ factor 2; 2 · 10 ⁻³ - 10 hPa: ± 10 %; 10-1200 hPa: ± 0.3 % F.S.
Weight	225 g	225 g	225 g	225 g
Materials in contact with media	Stainless steel, Tungsten, gold, silicon oxide, glass	Stainless steel, Tungsten, gold, silicon oxide, glass	Stainless steel, Tungsten, gold, silicon oxide, glass	Stainless steel, Tungsten, gold, silicon oxide, glass
Measurement range max.	1200 hPa	1200 hPa	1200 hPa	1200 hPa
Measurement range min.	1 · 10 ⁻⁴ hPa	1 · 10 ⁻⁴ hPa	1 · 10 ⁻⁴ hPa	1 · 10 ⁻⁴ hPa
Sensor cable length max.	100 m	100 m	100 m	100 m
Method of measurement	Piezo/Pirani	Piezo/Pirani	Piezo/Pirani	Piezo/Pirani
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	125 °C	125 °C	125 °C	125 °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.	2.5 W	3.2 W	4.0 W	2.9 W
Repeatability: % of measurement	10-1200 hPa: ± 0.1% F.S.; 1 · 10 ⁻³ - 1 hPa: ± 1 %	10-1200 hPa: ± 0.1% F.S.; 1 · 10 ⁻³ - 1 hPa: ± 1 %	10-1200 hPa: ± 0.1% F.S.; 1 · 10 ⁻³ - 1 hPa: ± 1 %	10-1200 hPa: ± 0.1% F.S.; 1 · 10 ⁻³ - 1 hPa: ± 1 %

Order number				
RPT 200, DN 16 CF-F	PT R37 310	PT R37 311	PT R37 312	PT R37 313

Further accessories see controller DPG 202