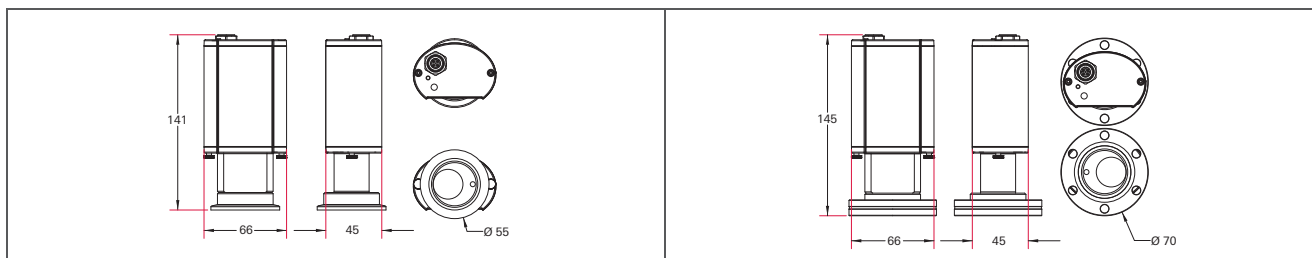


Pirani/Bayard-Alpert Gauge HPT 200 (5 · 10⁻¹⁰ – 1000 hPa)



- 5 · 10⁻¹⁰ to 1000 hPa
- High security by two filaments
- High accuracy
- Profibus DP Interface (optional)
- DeviceNet Interface (optional)
- Analog output and set points (optional)

Dimensions (in mm)



HPT 200, DN 40 ISO-KF

HPT 200, DN 40 CF-F

Technical data	HPT 200, DN 40 ISO-KF, RS-485	HPT 200, DN 40 ISO-KF, RS-485, analog	HPT 200, DN 40 ISO-KF, RS-485, Profibus	HPT 200, DN 40 ISO-KF, RS-485, DeviceNet
Flange (in)	DN 40 ISO-KF	DN 40 ISO-KF	DN 40 ISO-KF	DN 40 ISO-KF
Number of filaments	2	2	2	2
Seal	Metal	Metal	Metal	Metal
Pressure max.	400 kPa	400 kPa	400 kPa	400 kPa
Filament	Iridium yttriated, twice	Iridium yttriated, twice	Iridium yttriated, twice	Iridium yttriated, twice
Accuracy: % of measurement	1 · 10 ⁻⁸ - 1 hPa: ± 10 %, 20-1000 hPa: ± 30 %	1 · 10 ⁻⁸ - 1 hPa: ± 10 %, 20-1000 hPa: ± 30 %	1 · 10 ⁻⁸ - 1 hPa: ± 10 %, 20-1000 hPa: ± 30 %	1 · 10 ⁻⁸ - 1 hPa: ± 10 %, 20-1000 hPa: ± 30 %
Weight	475 g	475 g	475 g	475 g
Materials in contact with media	Tungsten, stainless steel, nickel, glass, ceramics	Tungsten, stainless steel, nickel, glass, ceramics	Tungsten, stainless steel, nickel, glass, ceramics	Tungsten, stainless steel, nickel, glass, ceramics
Measurement range max.	1000 hPa	1000 hPa	1000 hPa	1000 hPa
Measurement range min.	5 · 10 ⁻¹⁰ hPa	5 · 10 ⁻¹⁰ hPa	5 · 10 ⁻¹⁰ hPa	5 · 10 ⁻¹⁰ hPa
Sensor cable length max.	100 m	100 m	100 m	100 m
Method of measurement	Pirani/Bayard-Alpert	Pirani/Bayard-Alpert	Pirani/Bayard-Alpert	Pirani/Bayard-Alpert
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 (electronics removed)	180 °C	180 °C	180 °C	180 °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.	8.0 W	8.7 W	9.5 W	8.4 W
Repeatability: % of measurement	1 · 10 ⁻⁸ - 1 · 10 ⁻² hPa: ± 5%; 1 · 10 ⁻² - 10 hPa: ± 2 %	1 · 10 ⁻⁸ - 1 · 10 ⁻² hPa: ± 5%; 1 · 10 ⁻² - 10 hPa: ± 2 %	1 · 10 ⁻⁸ - 1 · 10 ⁻² hPa: ± 5%; 1 · 10 ⁻² - 10 hPa: ± 2 %	1 · 10 ⁻⁸ - 1 · 10 ⁻² hPa: ± 5%; 1 · 10 ⁻² - 10 hPa: ± 2 %

Order number				
HPT 200, DN 40 ISO-KF	PT R39 150	PT R39 151	PT R39 152	PT R39 153

Further accessories see controller DPG 202

Technical data	HPT 200, DN 40 CF-F, RS-485	HPT 200, , DN 40 CF-F, RS-485, analog	HPT 200, DN 40 CF-F, RS-485, Profibus	HPT 200, DN 40 CF-F, RS-485, DeviceNet
Flange (in)	DN 40 CF-F	DN 40 CF-F	DN 40 CF-F	DN 40 CF-F
Number of filaments	2	2	2	2
Seal	Metal	Metal	Metal	Metal
Pressure max.	400 kPa	400 kPa	400 kPa	400 kPa
Filament	Iridium yttriated, twice	Iridium yttriated, twice	Iridium yttriated, twice	Iridium yttriated, twice
Accuracy: % of measurement	1 · 10 ⁻⁸ - 1 hPa: ± 10 %, 20-1000 hPa: ± 30 %	1 · 10 ⁻⁸ - 1 hPa: ± 10 %, 20-1000 hPa: ± 30 %	1 · 10 ⁻⁸ - 1 hPa: ± 10 %, 20-1000 hPa: ± 30 %	1 · 10 ⁻⁸ - 1 hPa: ± 10 %, 20-1000 hPa: ± 30 %
Weight	670 g	670 g	670 g	670 g
Materials in contact with media	Tungsten, stainless steel, nickel, glass, ceramics	Tungsten, stainless steel, nickel, glass, ceramics	Tungsten, stainless steel, nickel, glass, ceramics	Tungsten, stainless steel, nickel, glass, ceramics
Measurement range max.	1000 hPa	1000 hPa	1000 hPa	1000 hPa
Measurement range min.	5 · 10 ⁻¹⁰ hPa	5 · 10 ⁻¹⁰ hPa	5 · 10 ⁻¹⁰ hPa	5 · 10 ⁻¹⁰ hPa
Sensor cable length max.	100 m	100 m	100 m	100 m
Method of measurement	Pirani/Bayard-Alpert	Pirani/Bayard-Alpert	Pirani/Bayard-Alpert	Pirani/Bayard-Alpert
Measuring cycle	10 ms	10 ms	10 ms	10 ms
Interface: Connection	RS-485, D-Sub-socket, 9-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 (electronics removed)	180 °C	180 °C	180 °C	180 °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.	8.0 W	8.7 W	9.5 W	8.4 W
Repeatability: % of measurement	1 · 10 ⁻⁸ - 1 · 10 ⁻² hPa: ± 5%; 1 · 10 ⁻² - 10 hPa: ± 2 %	1 · 10 ⁻⁸ - 1 · 10 ⁻² hPa: ± 5%; 1 · 10 ⁻² - 10 hPa: ± 2 %	1 · 10 ⁻⁸ - 1 · 10 ⁻² hPa: ± 5%; 1 · 10 ⁻² - 10 hPa: ± 2 %	1 · 10 ⁻⁸ - 1 · 10 ⁻² hPa: ± 5%; 1 · 10 ⁻² - 10 hPa: ± 2 %

Order number				
HPT 200, DN 40 CF-F	PT R39 350	PTR 39 351	PT R39 352	PT R39 353

Further accessories see controller DPG 202