

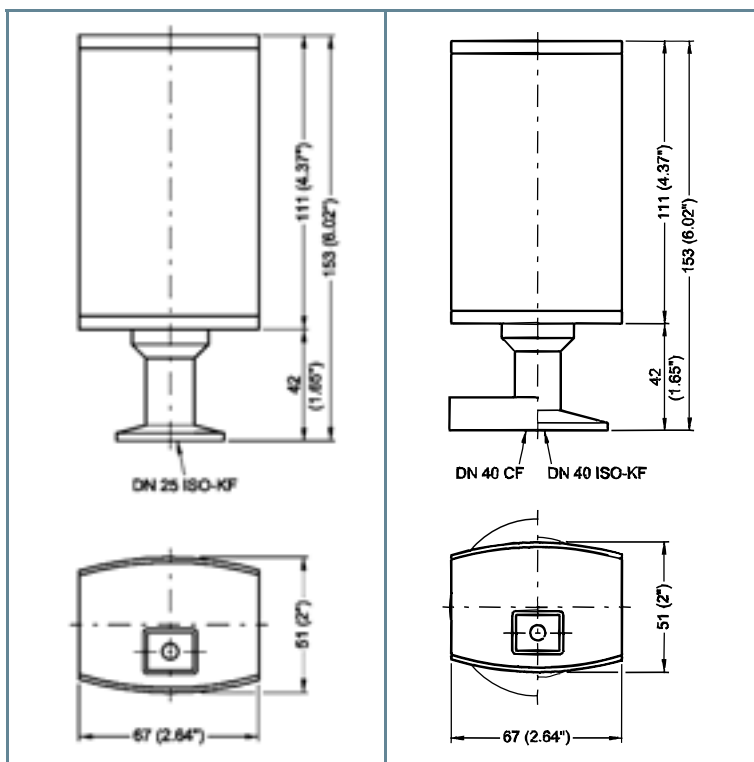
ActiveLine Active Pirani/Bayard-Alpert transmitter PBR 260, ($5 \cdot 10^{-10}$ - 1000 mbar)

ActiveLine



- Measurement range from $5 \cdot 10^{-10}$ to 1000 mbar
- Two gauge heads (Pirani and BA hot cathode) in a single case
- Bayard-Alpert sensor ON/OFF automatically controlled by Pirani sensor
- Highly accurate
- A single flange from atmosphere to UHV
- Corrosion-resistant

Dimensions



Active Pirani/Bayard-Alpert transmitter
PBR 260, DN 25 ISO-KF

Active Pirani/Bayard-Alpert transmitter
PBR 260, DN 40 ISO-KF
Active Pirani/Bayard-Alpert transmitter
PBR 260, DN 40 CF-R

Technical data	Active Pirani/ Bayard-Alpert transmitter PBR 260, DN 25 ISO-KF	Active Pirani/ Bayard-Alpert transmitter PBR 260, DN 40 ISO-KF	Active Pirani/ Bayard-Alpert transmitter PBR 260, DN 40 CF-R
Flange (in)	DN 25 ISO-KF	DN 40 ISO-KF	DN 40 CF-R
Output signal: Sensor error below	0.5 V	0.5 V	0.5 V
Output signal: Pressure range	0.774 - 10 V	0,774 - 10 V	0,774 - 10 V
Output signal: Minimum load	10 kOhm	10 kOhm	10 kOhm
Bakeout temperature	150 °C, electronic removed	150 °C, electronic removed	150 °C, electronic removed
Pressure max.	2 bar	2 bar	2 bar
Flange	Stainless steel	Stainless steel	Stainless steel
Accuracy: 10 ⁻⁸ - 10 ⁻² mbar	15 % reading	15 % reading	15 % reading
Weight	285 g	315 g	550 g
Filament	Tungsten	Tungsten	Tungsten
Filament	iridium yttriated	iridium yttriated	iridium yttriated
Materials in contact with media	Cu, W, glass, NiFe, Mo, Stainless Steel, NiCr	Cu, W, glass, NiFe, Mo, Stainless steel, NiCr	Cu, W, glass, NiFe, Mo, Stainless steel, NiCr
Measurement range max.	1,000 mbar	1000 mbar	1000 mbar
Measurement range min.	5·10 ⁻¹⁰ mbar	5·10 ⁻¹⁰ mbar	5·10 ⁻¹⁰ mbar
Sensor cable length	100 m	100 m	100 m
Temperature: Operating	0 - +50 °C	0 - +50 °C	0 - +50 °C
Temperature: Storage	-20 - +70 °C	-20 - +70 °C	-20 - +70 °C
Supply: Voltage	20-28 V DC	20-28 V DC	20-28 V DC
Supply: Power consumption max.	16 W	16 W	16 W
Volume	24 cm ³	24 cm ³	25 cm ³
Repeatability: 10 ⁻⁸ - 10 ⁻² mbar	5 % reading	5 % reading	5 % reading

Order number			
ActiveLine transmitters	PT R27 000	PT R27 001	PT R27 002

Accessories			
Sensor cable, 3 m	PT 448 250-T	PT 448 250-T	PT 448 250-T
Mating connector for compact gauge	B 4707 283 MA	B 4707 283 MA	B 4707 283 MA