



PKR 251, FPM sealed, DN 40 ISO-KF



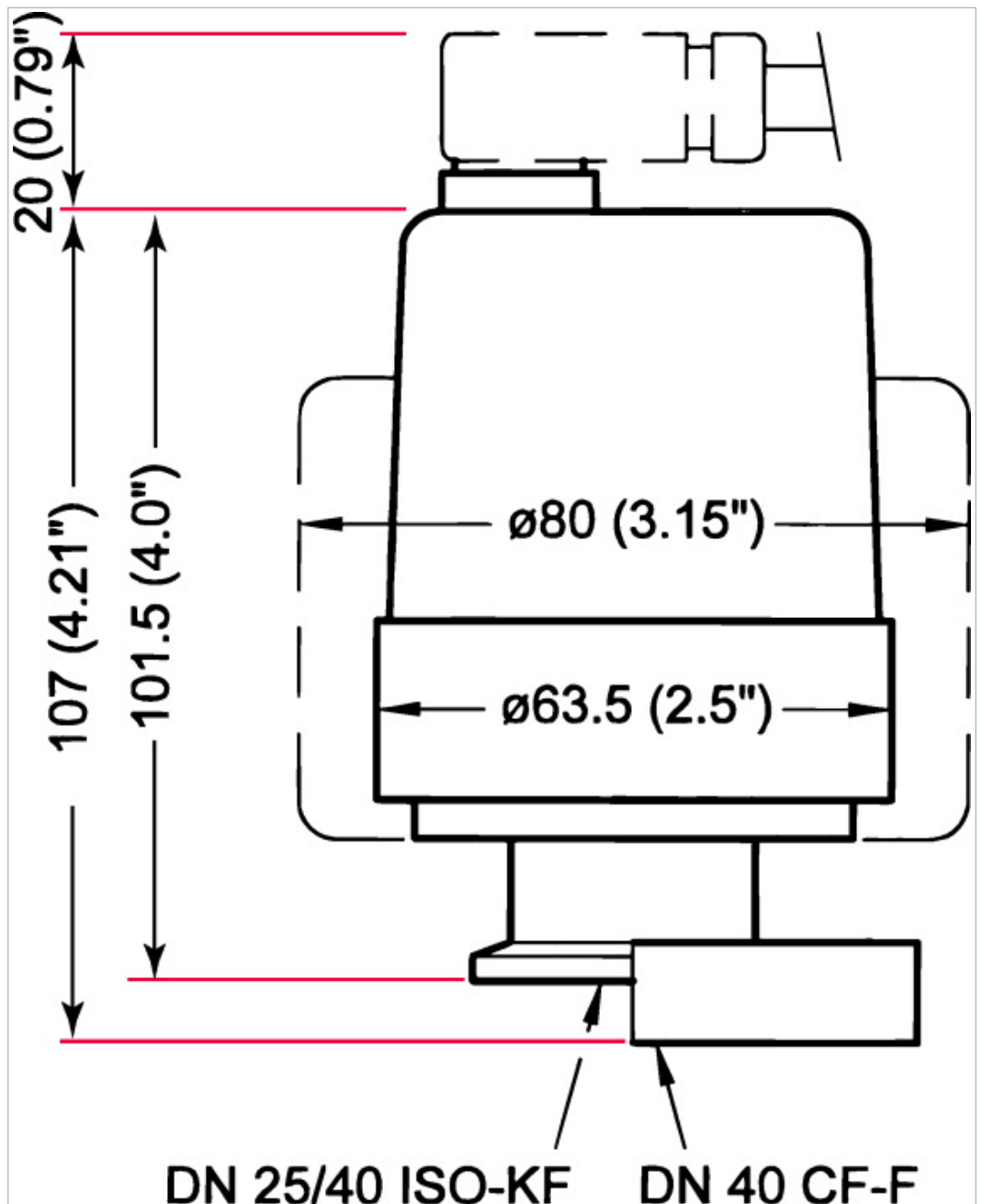


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- FullRange® gauge with two sensors in one housing
- Display range from $5 \cdot 10^{-9}$ to 1000 hPa
- Flange size: DN 40 ISO-KF
- Maximum pressure refers to inert gases and temperatures of less than 55 °C
- Corrosion-resistant

Dimensions



Technical Data

Accuracy: 10^{-8} - 10^2 hPa
Anode

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± 30 %
Molybdenum

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Bakeout temperature	Electronic removed, $\leq 150\text{ }^{\circ}\text{C}$ Electronic removed, $\leq 302\text{ }^{\circ}\text{F}$ Electronic removed, $\leq 423\text{ K}$
Feature	Interior FPM sealed
Feedthrough	Al_2O_3 , Glas
Filament	Tungsten
Flange	Stainless steel
Measurement range max.	1,000 hPa 750 Torr 1,000 mbar
Measurement range min.	$5 \cdot 10^{-9}$ hPa $3.75 \cdot 10^{-9}$ Torr $5 \cdot 10^{-9}$ mbar
Method of measurement	Pirani/Cold Cathode
Nominal diameter	DN 40 ISO-KF
Output signal: Minimum load	10 k Ω
Output signal: Pressure range	1.8 - 8.6 V
Output signal: Sensor error above	9.5 V
Output signal: Sensor error below	0.5 V
Pressure max.	10,000 hPa 7,500 Torr 10,000 mbar
Repeatability: 10^{-8} - 10^2 hPa	$\pm 5\%$
Seal	FPM
Sensor cable length	300 m
Supply: Power consumption max.	2 W
Supply: Voltage	15-30 V DC
Temperature: Operating	$5\text{--}55\text{ }^{\circ}\text{C}$ $41\text{--}131\text{ }^{\circ}\text{F}$ $278\text{--}328\text{ K}$
Temperature: Storage	$-40\text{--}65\text{ }^{\circ}\text{C}$ $-40\text{--}149\text{ }^{\circ}\text{F}$ $233\text{--}338\text{ K}$
Volume	20 cm ³
Weight	700 g

Order number	
PKR 251	PT R26 001

Accessories	
Accessory for ActiveLine gauges and controllers	
Mating connector	B 4707 283 MA
Sensor cable, 3 m	PT 448 250 -T