



IKR 251, FPM sealed, DN 40 CF-F



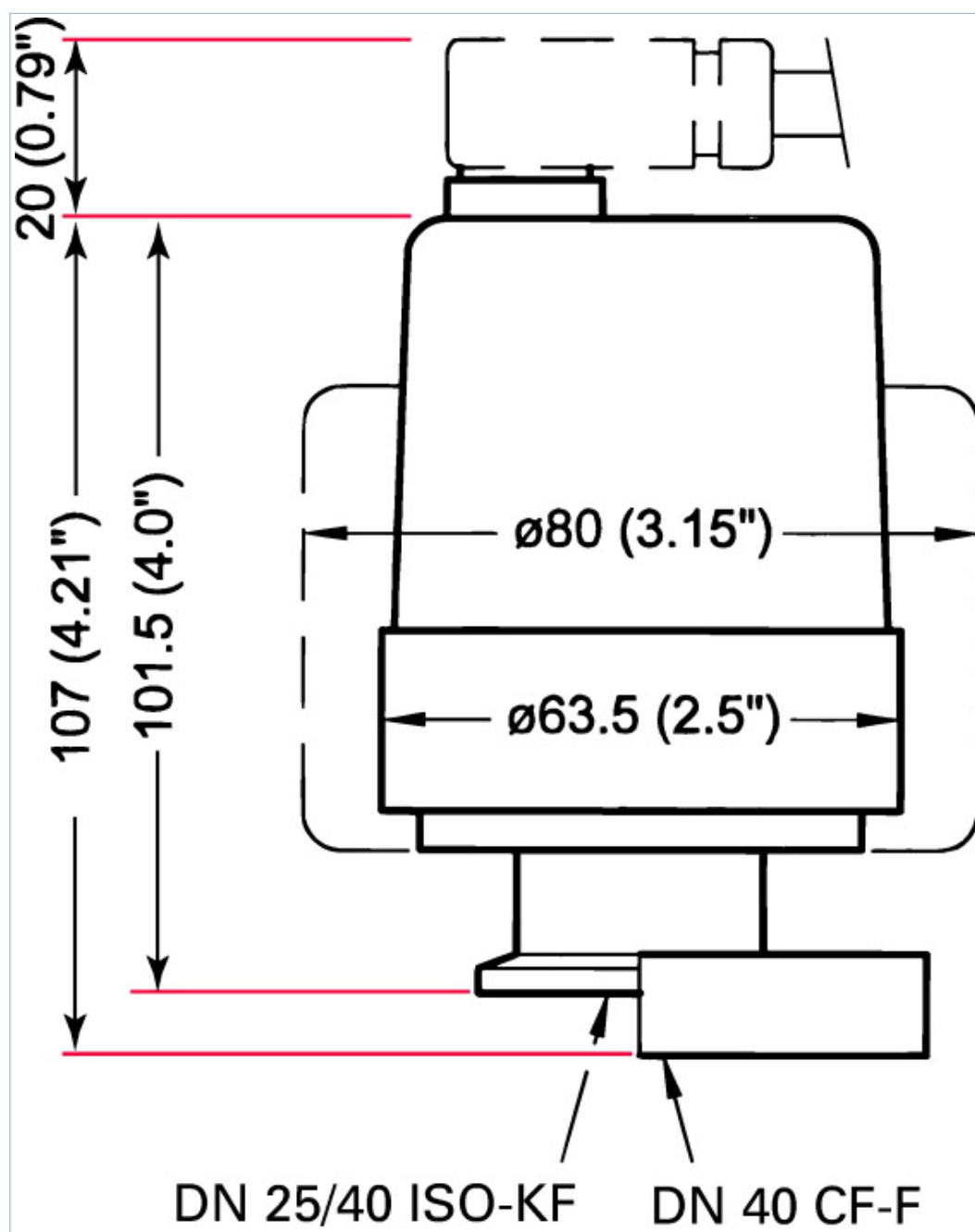


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- For vacuum processes in high- and ultra high vacuum
- Display range $1 \cdot 10^{-9}$ to $1 \cdot 10^{-2}$ hPa
- Flange size: DN 40 CF-F
- Maximum pressure refers to inert gases and temperatures of less than 55 °C
- Cold cathode (inverted magnetron)
- Rugged and dependable
- Insensitive to air ingress
- Corrosion-resistant

Dimensions



Technical Data	IKR 251, FPM sealed, DN 40 CF-F
Accuracy: 10^{-8} - 10^{-3} hPa	± 30 %
Anode	Molybdenum
Bakeout temperature	Electronic removed, ≤ 150 °C Electronic removed, ≤ 302 °F Electronic removed, ≤ 423 K
Feature	Interior FPM sealed
Feedthrough	Al_2O_3
Flange	Stainless steel
Measurement range max.	0.01 hPa $7.5 \cdot 10^{-3}$ Torr 0.01 mbar
Measurement range min.	$2 \cdot 10^{-9}$ hPa $1.5 \cdot 10^{-9}$ Torr $2 \cdot 10^{-9}$ mbar
Method of measurement	Cold Cathode
Nominal diameter	DN 40 CF-F
Output signal: Minimum load	10 k Ω
Output signal: Pressure range	1.8 - 8.5 V
Output signal: Sensor error below	0.5 V
Pressure max.	10,000 hPa 7,500 Torr 10,000 mbar
Repeatability: 10^{-8} - 10^{-3} hPa	± 5 %
Seal	FPM
Sensor cable length	500 m
Supply: Power consumption max.	2 W
Supply: Voltage	15-30 V
Temperature: Operating	5-55 °C 41-131 °F 278-328 K
Temperature: Storage	-40-65 °C -40-149 °F 233-338 K
Volume	20 cm ³
Weight	950 g

Order number	
IKR 251	PT R25 502

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