



Cold Cathode Gauges IKR 251 ($2 \cdot 10^{-9}$ - 0.01 hPa)



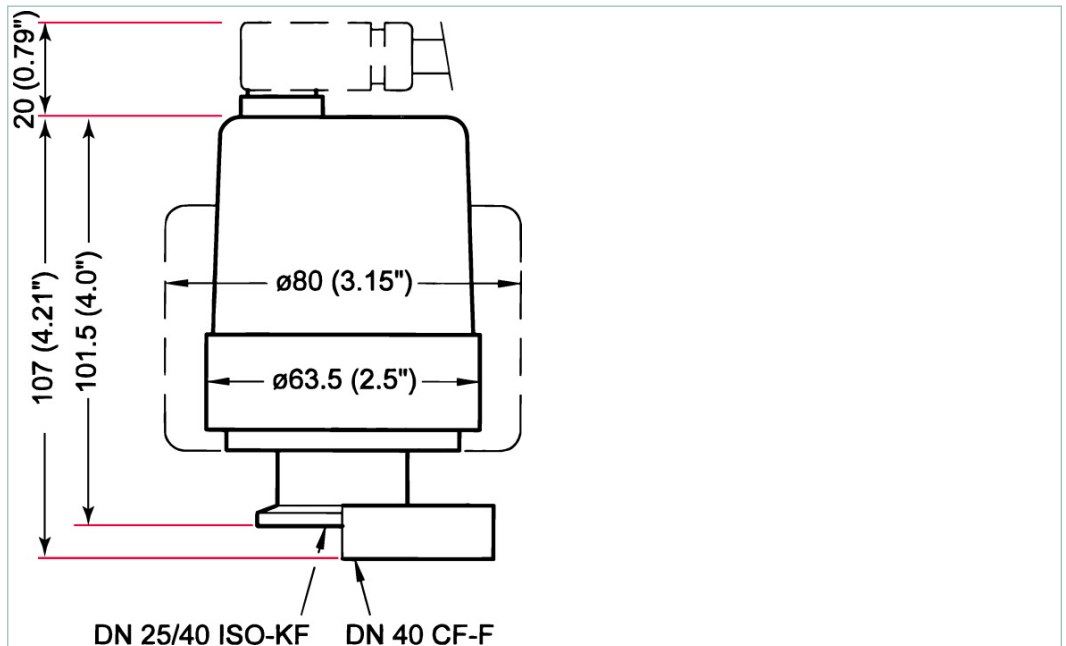


Similar Image

IKR 251, FPM sealed, DN 25 ISO-KF

- Flange size: DN 25 ISO-KF
- Measurement range from $2 \cdot 10^{-9}$ to 0.01 hPa
- Cold cathode (inverted magnetron)
- Rugged and dependable
- Insensitive to air ingress
- Corrosion-resistant
- Maximum pressure refers to inert gases and temperatures of less than 55 °C

Dimensions



Technical Data	IKR 251, FPM sealed, DN 25 ISO-KF
Accuracy: 10^{-8} - 10^{-3} hPa	± 30 %
Anode	Molybdenum
Bakeout temperature	150 °C 302 °F 423 K
Feature	Interior FPM sealed
Feedthrough	Al ₂ O ₃
Flange	Stainless steel
Flange (in)	DN 25 ISO-KF
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
Output signal: Minimum load	10 k
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	700 g

Order number	
Cold Cathode Gauges IKR 251 ($2 \cdot 10^{-9}$ - 0.01 hPa)	PT R25 500

Accessories	
ActiveLine sensor cables	
Sensor cable, 3 m	PT 448 250 -T