



# IKR 251, FPM sealed, DN 40 ISO-KF



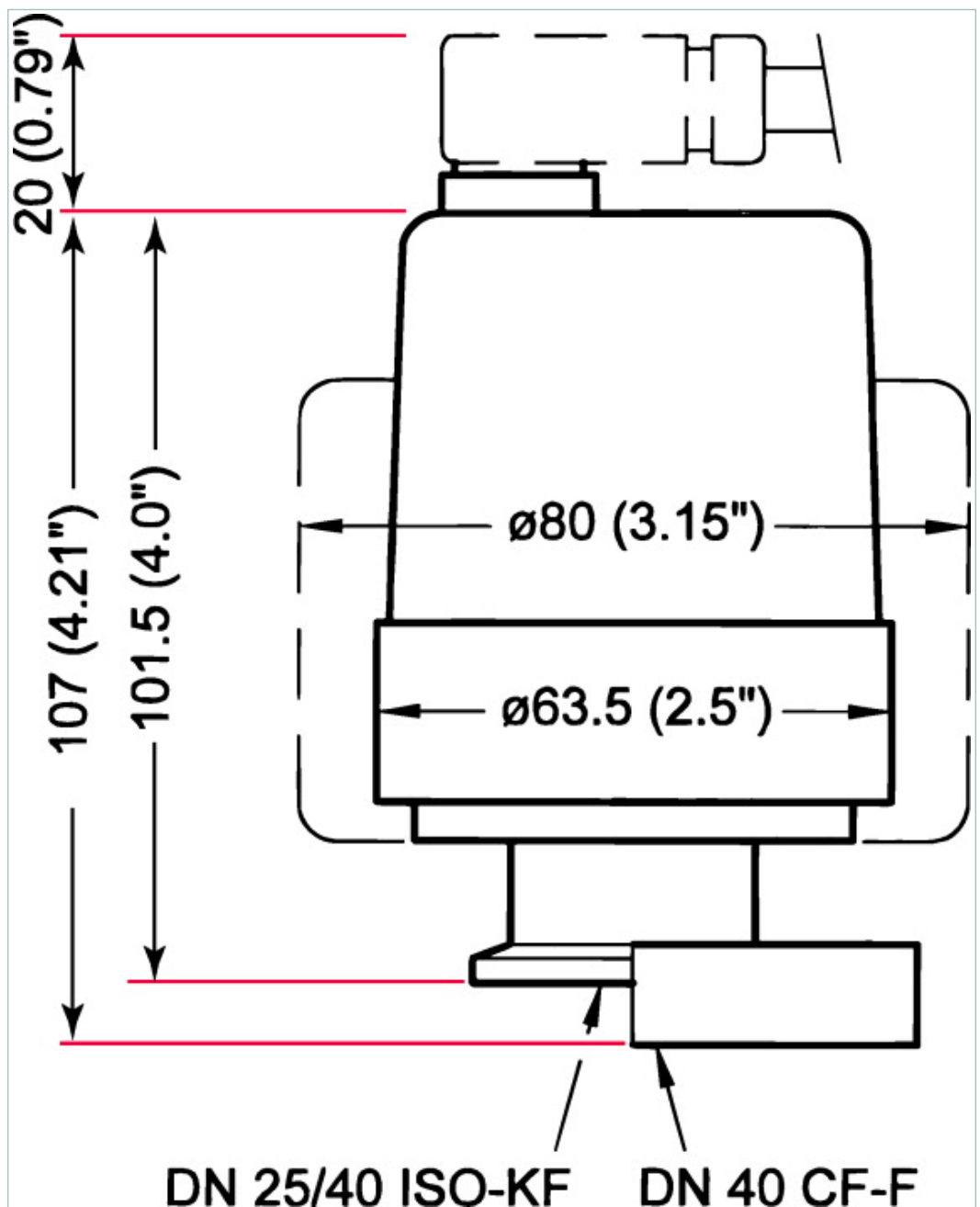


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## IKR 251, FPM sealed, DN 40 ISO-KF

- 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 ISO-KF
- 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 ISO-KF
Accuracy: $10^{-8}$ - $10^{-3}$ hPa	$\pm 30$ %
Anode	Molybdenum
Bakeout temperature	Electronic removed, $\leq 150$ °C   Electronic removed, $\leq 302$ °F   Electronic removed, $\leq 423$ K
Feature	Interior FPM sealed
Feedthrough	$\text{Al}_2\text{O}_3$
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 ISO-KF
Output signal: Minimum load	10 k $\Omega$
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	$\pm 5$ %
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 <sup>3</sup>
Weight	700 g

Order number	
IKR 251	PT R25 501

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