



IKR 360, low current, DN 40 CF-F





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- Optimized for applications in the medium vacuum range
- Very low external magnetic field
- Display range $1 \cdot 10^{-9}$ to $1 \cdot 10^{-2}$ hPa
- Cold cathode (inverted magnetron)
- Rugged and dependable
- Insensitive to air ingress
- Without elastomer seal
- Maximum pressure refers to inert gases and temperatures of less than 55 °C

Technical Data	IKR 360, low current, DN 40 CF-F
Accuracy: 10^{-8} - 10^{-2} hPa	± 30 %
Anode	Molybdenum
Bakeout temperature	Elektronics removed, ≤ 150 °C Elektronics removed, ≤ 302 °F Elektronics removed, ≤ 423 K
Feedthrough	Glass
Flange	Stainless steel 1.4435
Materials in contact with media	Stainless steel 1.4435, 1.4310, Molybdenum, glass, titanium, aluminium oxide ceramic
Measurement range max.	0.01 hPa $7.5 \cdot 10^{-3}$ Torr 0.01 mbar
Measurement range min.	$1 \cdot 10^{-8}$ hPa $7.5 \cdot 10^{-9}$ Torr $1 \cdot 10^{-8}$ mbar
Method of measurement	Cold Cathode
Nominal diameter	DN 40 CF-F
Output signal: Minimum load	10 k Ω
Output signal: Pressure range	2.5 - 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^{-2} hPa	± 5 %
Sensor cable length max.	≤ 300 m (1 mm ² /wire)
Supply: Power consumption max.	≤ 2 W
Supply: Voltage	14.5-30 V
Temperature: Operating	5-55 °C 41-131 °F 278-328 K
Temperature: Storage	-40-70 °C -40-158 °F 233-343 K
Volume	25.2 cm ³
Weight	< 570 g

Order number	
IKR 360	PT T00 350 010

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