IKR 360 C, low current, ceramic coated, DN 40 ISO-KF

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PFEIFFER VACUUM

Similar Image

IKR 360 C, low current, ceramic coated, DN 40 ISO-KF

- 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
- For measuring corrosive media
- Maximum pressure refers to inert gases and temperatures of less than < 55 °C

Technical Data	IKR 360 C, low current, ceramic coated, DN 40 ISO-KF
Accuracy: 10^{-8} - 10^{-2} hPa	± 30 %
Anode	Molybdenum
Bakeout temperature	Elektronics removed, ≤ 150 °C | Elektronics removed, ≤ 302 °F | Elektronics removed, ≤ 423 K
Feature	Corrosion resistant
Feedthrough	Glass, ceramic coated
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 ISO-KF
Output signal: Minimum load	10 kΩ
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 mm²/wire)
Supply	14.5-30 V
Supply: Power consumption max.	≤ 2 W
Temperature: Operating	5-55 °C | 41-131 °F | 278-328 K
Temperature: Storage	-40-70 °C | -40-158 °F | 233-343 K
Volume	20.9 cm^3
Weight	< 320 g

Order number	
IKR 360 C	**PT T00 150 011**

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