IKR 361 C, high current, ceramic coated, DN 40 CF-F

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PFEIFFER VACUUM

Similar Image

IKR 361 C, high current, ceramic coated, DN 40 CF-F

- For vacuum processes in high- and ultra high vacuum
- 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 361 C, high current, ceramic coated, 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
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, 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 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/Leiter)
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 361 C	**PT T01 350 011**

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