



IKR 361, high current, DN 40 CF-F





Similar Image

IKR 361, high current, 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
- Maximum pressure refers to inert gases and temperatures of less than $< 55^\circ\text{C}$

Technical Data	IKR 361, high current, DN 40 CF-F
Accuracy: 10^{-8} - 10^{-2} hPa	$\pm 30\%$
Anode	Molybdenum
Bakeout temperature	Elektronics removed, $\leq 150^\circ\text{C}$ Elektronics removed, $\leq 302^\circ\text{F}$ Elektronics removed, $\leq 423\text{ K}$
Feedthrough	Glass
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 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	$\pm 5\%$
Sensor cable length max.	$\leq 300\text{ m}$ (1 mm ² /Leiter)
Supply: Power consumption max.	$\leq 2\text{ W}$
Supply: Voltage	14.5-30 V
Temperature: Operating	5-55 $^\circ\text{C}$ 41-131 $^\circ\text{F}$ 278-328 K
Temperature: Storage	-40-70 $^\circ\text{C}$ -40-158 $^\circ\text{F}$ 233-343 K
Volume	25.2 cm ³
Weight	$< 570\text{ g}$

Order number	
IKR 361	PT T01 350 010

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