



# IKR 360, low current, DN 40 ISO-KF





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## IKR 360, low current, 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
- Maximum pressure refers to inert gases and temperatures of less than  $< 55^\circ\text{C}$

Technical Data	IKR 360, low current, DN 40 ISO-KF
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, 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 k $\Omega$
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 <sup>2</sup> /wire)
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	20.9 cm <sup>3</sup>
Weight	$< 320\text{ g}$

Order number	
IKR 360	PT T00 150 010

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