



# IKR 361, high current, DN 25 ISO-KF

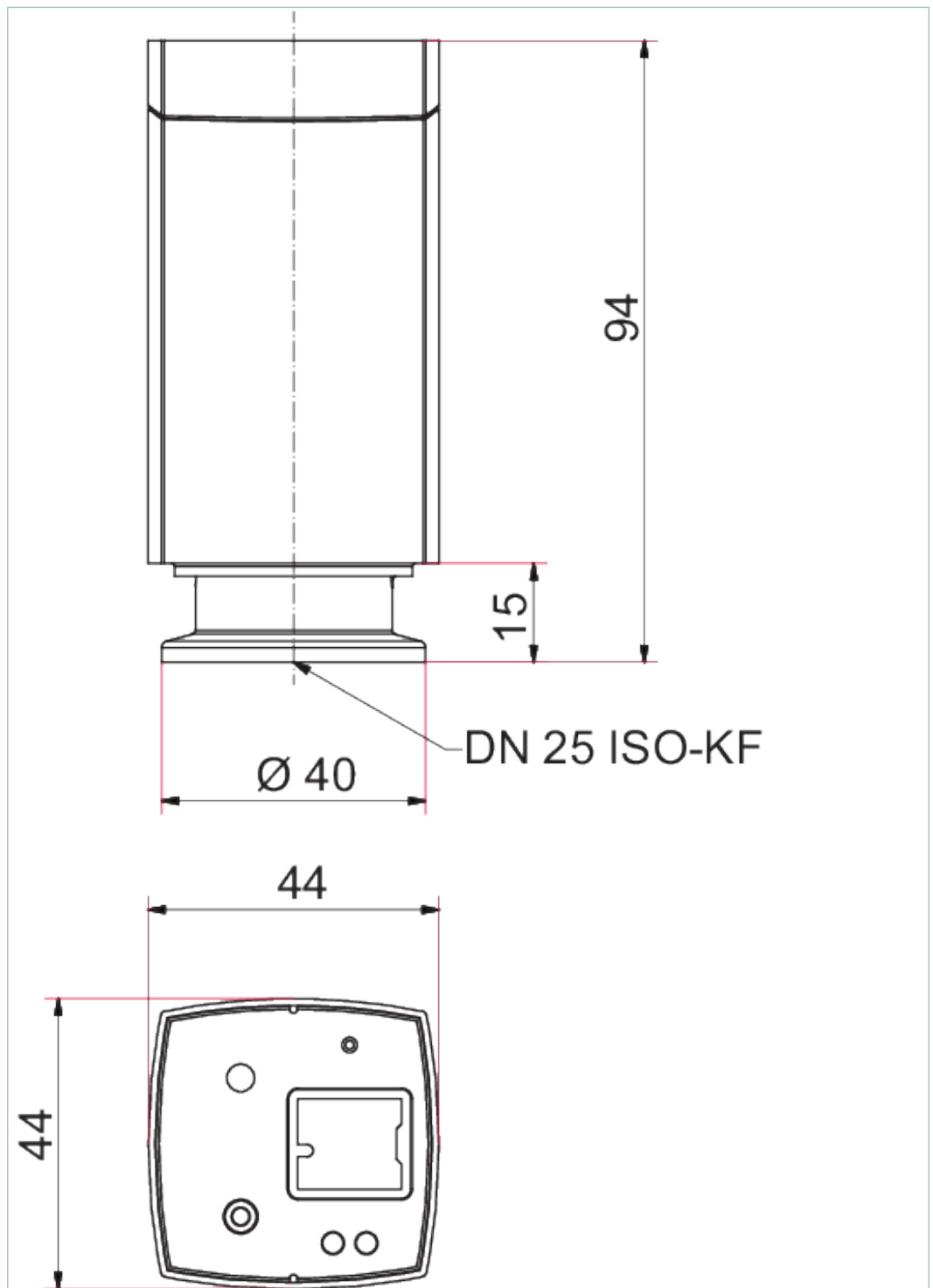


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## IKR 361, high current, DN 25 ISO-KF

- 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

### Dimensions



| Technical Data                                         | IKR 361, high current, DN 25 ISO-KF                                        |
|--------------------------------------------------------|----------------------------------------------------------------------------|
| Accuracy: $1 \cdot 10^{-8} - 1 \cdot 10^{-2}$ hPa      | $\pm 30 \%$                                                                |
| Anode                                                  | Molybdenum                                                                 |
| Bakeout temperature                                    | Electronics removed, $\leq 150$ °C                                         |
| Feedthrough                                            | Glass                                                                      |
| Flange, Material                                       | Stainless Steel 1.4435                                                     |
| Materials in contact with media                        | Stainless steel 1.4435, 1.4310, Molybdenum, glass, aluminium oxide ceramic |
| Measurement range C                                    | $1 \cdot 10^{-9} - 1 \cdot 10^{-2}$ hPa                                    |
| Measurement range max.                                 | $1 \cdot 10^{-2}$ hPa   $7.5 \cdot 10^{-3}$ Torr   $1 \cdot 10^{-2}$ mbar  |
| Measurement range min.                                 | $1 \cdot 10^{-9}$ hPa   $7.5 \cdot 10^{-10}$ Torr   $1 \cdot 10^{-9}$ mbar |
| Method of measurement                                  | Cold Cathode                                                               |
| Nominal diameter                                       | DN 25 ISO-KF                                                               |
| Output signal: Measurement range                       | 2.5 – 8.5 V                                                                |
| Output signal: Minimum load                            | 10 kΩ                                                                      |
| Pressure max.                                          | 10,000 hPa   7,500 Torr   10,000 mbar                                      |
| Repeatability: $1 \cdot 10^{-8} - 1 \cdot 10^{-2}$ hPa | $\pm 5 \%$                                                                 |
| Sensor cable length                                    | 300 m                                                                      |
| Sensor cable length max.                               | 300 m                                                                      |
| Supply: Power consumption max.                         | $\leq 2$ W                                                                 |
| Supply: Voltage V DC                                   | 14.5 – 30 V DC                                                             |
| Temperature: Operating                                 | 5-55 °C   41-131 °F   278-328 K                                            |
| Temperature: Storage                                   | -40-70 °C   -40-158 °F   233-343 K                                         |
| Volume                                                 | 19.9 cm <sup>3</sup>                                                       |
| Weight                                                 | 280 g                                                                      |

| Order number |                |
|--------------|----------------|
| IKR 361      | PT T01 140 010 |

| Accessories                               |               |
|-------------------------------------------|---------------|
| Adapters (electrical) Adapter Measurement |               |
| Mating connector                          | B 4707 283 MA |
| Cables Measurement cables                 |               |
| Sensor cable, 3 m                         | PT 448 250 -T |

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