



# IKR 251, FPM sealed, DN 25 ISO-KF



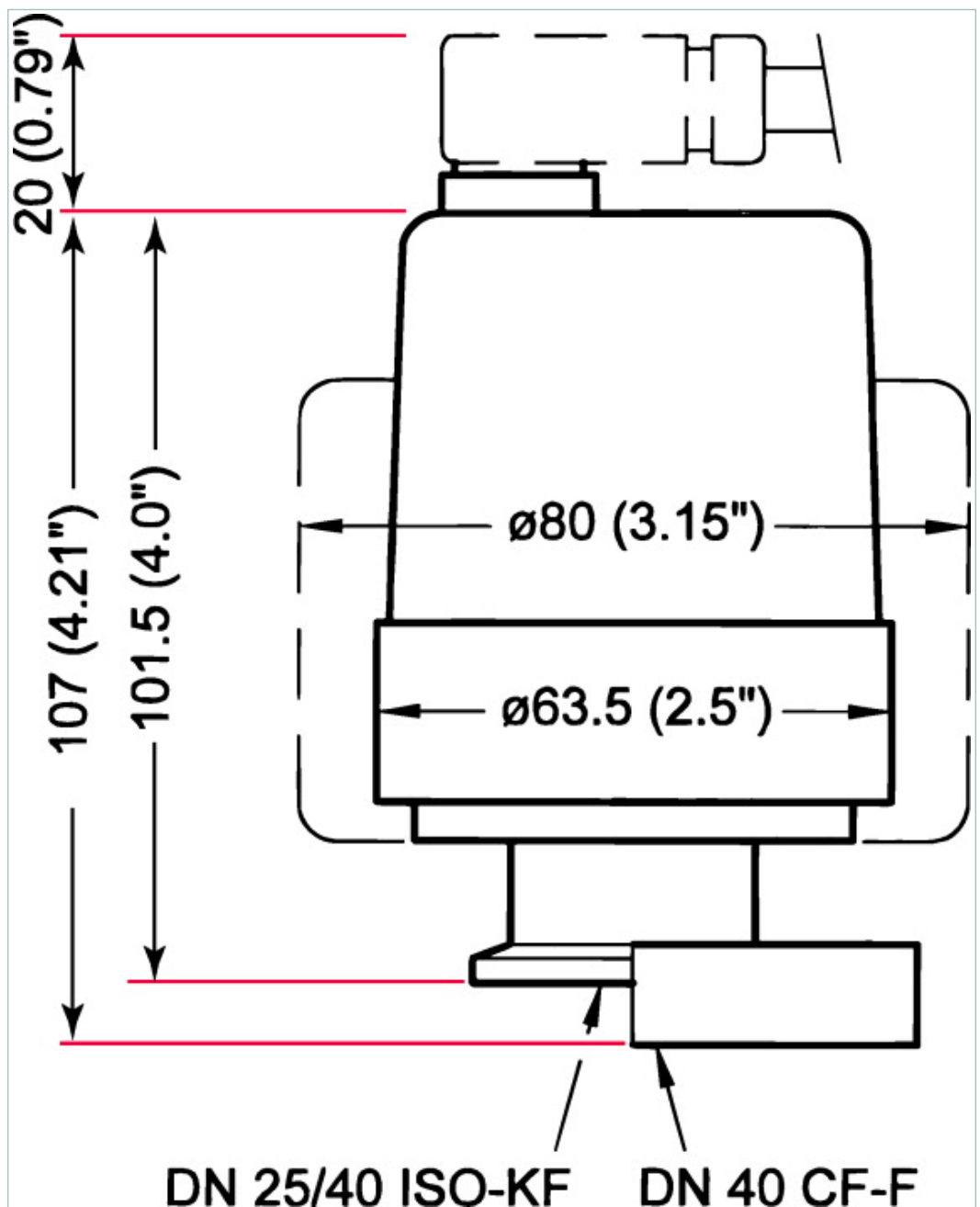


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## IKR 251, FPM sealed, DN 25 ISO-KF

- For vacuum processes in high- and ultra high vacuum
- Display range  $1 \cdot 10^{-9}$  to  $1 \cdot 10^{-2}$  hPa
- Flange size: DN 25 ISO-KF
- Maximum pressure refers to inert gases and temperatures of less than 55 °C
- Cold cathode (inverted magnetron)
- Rugged and dependable
- Insensitive to air ingress
- Corrosion-resistant

### Dimensions



| Technical Data                           | IKR 251, FPM sealed, DN 25 ISO-KF  |
|--|--|
| Accuracy: $10^{-8}$ - $10^{-3}$ hPa      | $\pm 30$ %   |
| Anode                                    | Molybdenum   |
| Bakeout temperature                      | Electronic removed, $\leq 150$ °C  <br>Electronic removed, $\leq 302$ °F  <br>Electronic removed, $\leq 423$ K |
| Feature                                  | Interior FPM sealed  |
| Feedthrough                              | Al <sub>2</sub> O <sub>3</sub>   |
| Flange                                   | Stainless steel  |
| Measurement range max.                   | 0.01 hPa   $7.5 \cdot 10^{-3}$ Torr   0.01 mbar  |
| Measurement range min.                   | $2 \cdot 10^{-9}$ hPa   $1.5 \cdot 10^{-9}$ Torr   $2 \cdot 10^{-9}$ mbar                                      |
| Method of measurement                    | Cold Cathode   |
| Nominal diameter                         | DN 25 ISO-KF   |
| Output signal: Minimum load              | 10 k $\Omega$  |
| Output signal: Pressure range            | 1.8 - 8.5 V  |
| Output signal: Sensor error below        | 0.5 V  |
| Pressure max.                            | 10,000 hPa   7,500 Torr   10,000 mbar  |
| Repeatability: $10^{-8}$ - $10^{-3}$ hPa | $\pm 5$ %  |
| Seal                                     | FPM  |
| Sensor cable length                      | 500 m  |
| Supply: Power consumption max.           | 2 W  |
| Supply: Voltage                          | 15-30 V  |
| Temperature: Operating                   | 5-55 °C   41-131 °F   278-328 K  |
| Temperature: Storage                     | -40-65 °C   -40-149 °F   233-338 K   |
| Volume                                   | 20 cm <sup>3</sup>   |
| Weight                                   | 700 g  |

| Order number |            |
|--------------|------------|
| IKR 251      | PT R25 500 |

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