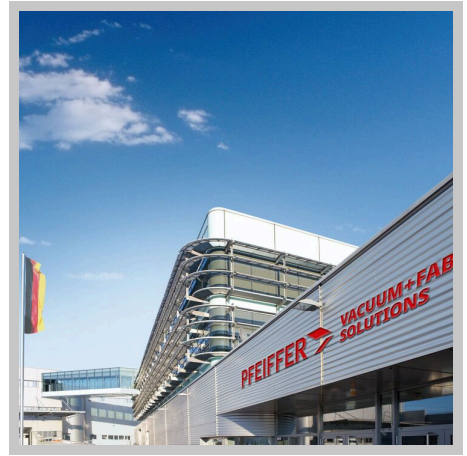




**HPT 200 AR, DN 25 ISO-KF, RS-485, analog, display**

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# HPT 200 AR

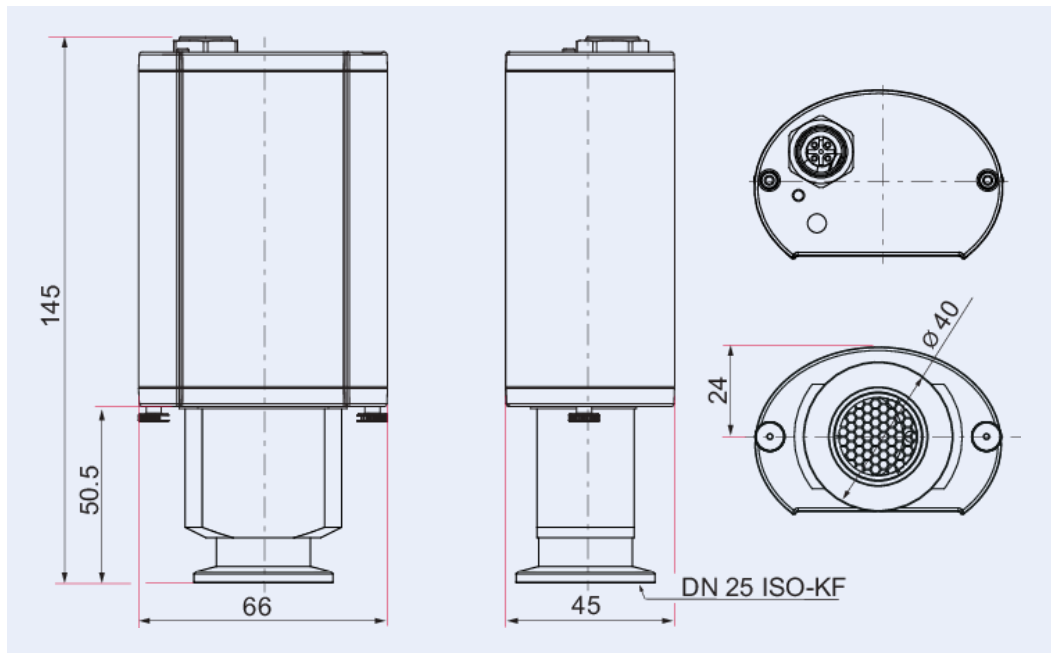


## HPT 200 AR, DN 25 ISO-KF, RS-485, analog, display

- $5 \cdot 10^{-10}$  – 1000 hPa
- Combination of two sensors
- RS-485, analog 0 – 10 V, display
- Two switch-points (relay contacts)

Illustration only

## Dimensions



# HPT 200 AR

| Technical Data                                    | HPT 200 AR, DN 25 ISO-KF, RS-485, analog, display              |
|---------------------------------------------------|----------------------------------------------------------------|
| Measuring range                                   | $5 \cdot 10^{-10} - 1 \cdot 10^3$ hPa                          |
| Materials in contact with media                   | Ceramic   Stainless steel   Tungsten   Nickel   Glass          |
| Bakeout temperature at the flange                 | $\leq 180$ °C                                                  |
| Seal                                              | Metal                                                          |
| I/O interfaces                                    | RS-485, analog 0 – 10 V, display                               |
| Anode                                             | 130727                                                         |
| User interface                                    | Display                                                        |
| Ambient temperature                               | 5 – 60 °C                                                      |
| Display                                           | LCD, backlit                                                   |
| Temperature: Storage, max                         | 65 °C                                                          |
| Temperature: Storage, min                         | -40 °C                                                         |
| Measuring accuracy in range 1                     | 10 % ( $1 \cdot 10^{-8}$ hPa – $1 \cdot 10^1$ hPa)             |
| Measuring accuracy in range 2                     | 30 % ( $1 \cdot 10^1$ hPa – $1 \cdot 10^3$ hPa)                |
| Measuring method                                  | Pirani   Bayard-Alpert                                         |
| Input voltage(s)                                  | 20 – 30 V DC                                                   |
| Bakeout temperature at the flange                 | $\leq 180$ °C   $\leq 356$ °F   $\leq 453.15$ K                |
| Pressure max.                                     | $4 \cdot 10^3$ hPa   $3 \cdot 10^3$ Torr   $4 \cdot 10^3$ mbar |
| Weight                                            | 475 g                                                          |
| Pressure max.                                     | $4 \cdot 10^3$ hPa                                             |
| Measuring cycle                                   | 10 ms                                                          |
| Power consumption max.                            | 9.9 W                                                          |
| Number of filaments                               | 2                                                              |
| Relay: Switching voltage                          | 30 V DC / 49 V AC                                              |
| Connection flange                                 | DN 25 ISO-KF                                                   |
| Weight                                            | 475 g                                                          |
| Relay: Number                                     | 2 pcs.                                                         |
| Filament                                          | Iridium coated with $Y_2O_3$                                   |
| Repeatability in range 1                          | 5 % ( $1 \cdot 10^{-8}$ hPa – $1 \cdot 10^{-2}$ hPa)           |
| Repeatability in range 2                          | 2 % ( $1 \cdot 10^{-2}$ hPa – 10 hPa)                          |
| Order number                                      | HPT 200 AR, DN 25 ISO-KF, RS-485, analog, display              |
| HPT 200 AR, DN 25 ISO-KF, RS-485, analog, display | PT R44 141 A                                                   |

# HPT 200 AR

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|                                             |                                                   |
|---------------------------------------------|---------------------------------------------------|
| <b>Accessories</b>                          | HPT 200 AR, DN 25 ISO-KF, RS-485, analog, display |
| Sensor for HPT 200 and PBR 360 DN 25 ISO-KF | PT 120 239 -T                                     |



Errors and/or changes excepted. - 9/30/2025

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