

11 Technical data

| PRESSURE DEW POINT MONITORING DEVICE TPK 40 | |
|---|--|
| Measuring range | -40 ... +40 °C tpd |
| Sensor element | Capacitive Polymer sensor |
| Application temperature | -10 ... +50 °C |
| Accuracy (at 23 °C) | $\leq \pm 1$ K (tpd -10.0 ... +40.0 °C) $\leq \pm 2$ K (tpd -20.0 ... -10.0 °C) $\leq \pm 3$ K (tpd -30.0 ... -20.0 °C) $\leq \pm 4$ K (tpd -40.0 ... -30.0 °C) |
| Operating (relativ) pressure | 0 Pa ... 1.7 MPa (17 bar) |
| Media compatibility | Clean, oil free compressed air (filtered and dried, ISO 8573-Class 2-4-2) |
| Display | Red LED-Display, 14 mm |
| Measured value | 4-digits with units °C / °F, Resolution 0.1 °C tpd |
| Operation | 4 Keys (Soft touch keyboard) |
| Functions | 2 adjustable alarm-limits with Hysteresis, display switchable between °C or °F |
| Relay output | 2 potential isolated Normally open 36 V DC, 24 V AC, max. 2 A surge suppression with Varistor 39 V |
| Analog output | 4 ... 20 mA / -40 ... +40 °C tpd |
| Serial interface | RS232 / RS485, 4800 Bd, 8N1 |
| Ext. Signal generator | 15 V / 50 mA |
| Electrical connection | 15-pin SUB-D socket |
| Sensor protection filter | Stainless steel sinter filter 40 µm |
| Measuring chamber | Attached, with diverting throttle, pre-adjusted at 60 NI / h |
| Compressed air connection | 3/8" internal threads |
| Power supply | 24 V DC, max. 300 mA, reverse polarity protected, DC-plug 2.1 mm |
| Plug-in power supply unit | 90 - 240 V / 7 VA max., output voltage 24 V DC |
| EMV Noise emission | EN 61000-6-3:2001 |
| EMV Noise immunity | EN 61000-6-2:2001 |
| Housing | Electronics: Plastic housing, IP 20 Measuring chamber: Aluminium |
| Guarantee | 24 Months |
| Scope of supply | Instrument with attached measuring chamber/Diverting throttle, plug connection NW 7.2 mm, plug-in power supply unit, Operating manual, Test certificate |
| Rights reserved for change in technical data due to technological advancements! | |

11.1 Drawing

