

# Particle Counter PCE-PQC 31EU Incl. Calibration Certificate



## Particle counter PCE-PQC 31EU incl. calibration certificate

**Particle counter for real-time measurement / Incl. Data logger function / Remote access to measured data / Extension by different weather sensors possible / For rod and wall mounting**

The particulate matter measuring device PCE-PQC 3xEU series is the most advanced particulate matter measuring device on the market. Integration into a building automation and clean room management system is easily possible via Ethernet or (optionally) Wireless 802.11 b / g, RS485 or RS232. The particulate matter gauge measures 6 user-selectable particle size channels and (optional) temperature and relative humidity. This particulate matter meter stores up to 45,000 measured values with time stamp.

The particulate matter meter can be remotely controlled and monitored via a web browser. The fine dust measuring device is a mounting device, which is characterized by the rod or wall mounting on the one hand and the far-reaching functions on the other hand as very robust and versatile.

- ▶ Particle measurement in real time
- ▶ Internal measured value memory
- ▶ Easy construction
- ▶ Remote access via Ethernet or Wifi (optional)
- ▶ Gravimetric filter
- ▶ Optional temperature / humidity sensor
- ▶ **Incl. calibration certificate traceable to NIST**
- ▶ Standards: ISO 21501-4 and JIS B9921

# Specifications

|                              |   |
|------------------------------|---|
| Measuring range              | <b>0.5 ... 25 µm</b>  |
| Measuring channel sizes      | Factory calibrated at 0.5, 0.7, 1.0, 3.0, 5.0, 10.0 µm                                |
| Counting efficiency          | 50% at 0.5 µm, 100% at > 0.75 µm according to JIS                                     |
| Flow                         | 2.83 l / min (0.1 ft <sup>3</sup> / min)  |
| Random loss                  | 10% at 15000000 particles / ft <sup>3</sup>   |
| Light source                 | Long-life laser diode   |
| Zero count                   | < 1 count / 5 min (< 2 particles / ft <sup>3</sup> ) according to ISO 21501-4 and JIS |
| Counting modes               | Automatic, manual, real-time, cumulative / differential, mass concentration           |
| Alarms                       | 1 ... 9999999 counts  |
| Acoustic alarm               | Adjustable, integrated alarm  |
| Calibration                  | Traceable to NIST   |
| Display                      | 4.3" WQVGA color touch display, 480x272 px  |
| Configuration                | Memory for 50 custom configurations   |
| Standards                    | ISO 21501-4 and JIS B9921   |
| Dimensions                   | 13.3 x 5.8 x 22.6 cm  |
| Weight                       | 1.18 kg / 2.6 lbs   |
| Storage                      | 45000 data sets (ring memory) consisting of Particle counting, temp. And humidity     |
| Samples duration             | 1 s ... 99 h adjustable   |
| Power supply                 | 110 ... 240V AC 50/60 Hz  |
| Operating conditions         | 5 ... 40°C / 41 ... 104°F<br>Up to 95% RH not condensing                              |
| Storage conditions           | 0 ... 50°C / 32 ... 122°F<br>Up to 98% RH not condensing                              |
| Housing material             | Stainless steel   |
| Interface                    | Ethernet, USB   |
| Optional interfaces          | Wifi 802.11 b / g, RS485 or RS232   |
| Number of measuring channels | 6   |

# More information

Manual



More product info



Similar products



Subject to change