PARTICLE COUNTER INCL. CALIBRATION CERTIFICATE

PCE-PQC 31EU



- **Particle measurement in real time**
- **Internal measured value memory**
- **Easy construction**
- **Remote access via Ethernet or Wifi (optional)**
- **Gravimetric filter**
- **Optional temperature / humidity sensor**

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.

Specification

Particle	
Measuring channel sizes	0.5, 0.7, 1.0, 3.0, 5.0, 10
Measuring range	0,5 ... 25 µm
Counting efficiency	50 % at 0.5 µm, 100 % at >0.75 µm according to JIS
Flow volume	2,83 l/min

General technical data	
Display type	Colour touch display
Display size	4,3 Inch
Storage medium	Internal memory
Storage capacity	45000 Data records
Memory capacity (additional information)	Ring memory consisting of particle count, temperature and humidity
Storage interval from	1 s
Storage interval to	99 min.
Interface	Ethernet, USB
Standard(s)	ISO 21501-4, JIS B9921
Menu language	English
Power supply	110 ... 240 V AC 50/60 Hz
Connector type	Device-europlug
(Rechargeable) battery	1 x 10,8 V internal , Lithium-ion battery
Capacity	5200 mAh
Operating conditions	5 ... 40 °C , 0 ... 95 % RH
Storage conditions	0 ... 50 °C , 0 ... 98 % RH
Dimensions (L x W x H)	133 x 58 x 226 mm