PARTICLE COUNTER INCL. CALIBRATION CERTIFICATE

PCE-PQC 34EU



- **large measuring range up to 25 µm**
- **CO2 sensor**
- **integrated memory**
- **optional PID sensor available**
- **optional wifi interface available**
- **compact design**

The environmental particle counter PCE-PQC 3xEU series is characterized by its small size and easy wall mounting. The stationary installation of the environmental particle counter PCE-PQC 3xEU series ensures high-precision air quality studies. Both available models measure particles (PM), temperature, humidity and CO2. The PCE-PQC 35EU also has a high-quality PID (Photo Ionization Detector) sensor for recording total volatile organic compounds (TVOC).

The environmental particle counters use very powerful electronics to be able to effectively measure the simultaneous displays of PM1.0, PM2.5, PM5 .0, PM10.0 and total particles. These measurements are stored simultaneously with the other built-in sensors in a large memory of 45,000 data records. With a large color touchscreen display, the visual indication of the environmental conditions is easy to see.

Specification

CO^2	
Measuring range	0 ... 5000 ppm
Resolution	1 ppm
Accuracy	±1 % of range
Particle	
Measuring channel sizes	0.3, 0.5, 1.0, 3.0, 5.0, 10
Measuring range	0,3 ... 25 µm
Counting efficiency	50 % at 0.3 µm, 100 % at >0.45 µm according to JIS
Flow volume	2,83 l/min
Relative humidity	
Measuring range	15 ... 90 %
Accuracy	±2 % RH
Temperature	
Measuring range	0 ... 50 °C
Accuracy	±0.5 °C

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, CO2, locations and times
Storage interval from	1 s
Storage interval to	99 min.
Interface	Ethernet, USB
Standard(s)	ISO 21501-4, JIS B9921
Sensor	Temperature
Operating time	10 h
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 105 x 210 mm