

Environmental Tester PCE-AQS 2.5



**Environmental tester with RS485 interface / Particle size 2.5 μm / External sensor /
Measuring range up to 999.9 $\mu\text{g}/\text{m}^3$ / Fixed voltage supply / Mounting bracket /
For monitoring environmental conditions / 12 V DC power supply**

The environmental tester is the ideal sensor for monitoring the fine dust content of the outside air. The particle counter reliably measures the mass concentration of fine dust of size PM 2.5 up to the measuring range end value of 999.9 $\mu\text{g}/\text{m}^3$. The radiation protection of the particle external sensor enables measurements in particularly bad weather conditions. The sensor technology and other electronic components of the outdoor particle counter are protected from a wide range of weather conditions by the housing.

The measured value is sent via the RS485 data interface from the connected evaluation unit, depending on the query interval. This means that the environmental tester can be connected directly to, for example, the in-house process unit for further processing.

- ▶ Modbus data transfer
- ▶ For measuring particle sizes of 2.5 μm
- ▶ Suitable for outdoor use
- ▶ Measuring range to 999.9 $\mu\text{g}/\text{m}^3$
- ▶ Fixed power supply of 12 V DC
- ▶ Mounting device

Specifications

Measuring range	0.0 ... 999.9 µg/m ³
Resolution	0.1 µm/m ³
Measurement accuracy	±15 % ±10µg/m ³ at 25 °C / 77 °F, 50% RH of measured value
Particle size	PM 2.5
Smallest detectable particle	0.3 µm
Power supply	12 V DC
Output signal	Modbus-RTU RS485
Sampling rate	depends on the query rate
Max.pipe diameter for assembly	90 mm / 3.54"
Number of strands	4
Cable length	2.5 m / 8.2 ft
Ambient conditions	-20 ... 60 °C / -4 ... 140 °F, 0 ... 70 % RH
Power consumption	350 mW
Overall dimensions	Ø220 mm x 240 mm / 8.66" x 9.44"
Weight	1221 g / 43 oz

More information

More product info



Similar products



Subject to change