

Particle meter incl. calibration certificate
Brand: PCE Ibérica S.L.

Code: PCE-PQC 13EU



The PCE-PQC 1xEU/US series particle counter. Particle measurement up to 75 μm / 6 parallel measurement channels / Report generation according to ISO 14644-1, Annex EU GMP I, FS 209E / Extrapolation of mass concentration in $\mu\text{g}/\text{m}^3$ / Internal memory / Ethernet, USB or WiFi connection (optional). The PCE-PQC 1xEU/US series particle counter measures the concentration of particles in the air, such as dust, soot, pollen and many other aerosols. The particle counter has been designed to accurately determine the degree of contamination in the air. Air pollution is generated primarily by combustion, material processing, manufacturing, power generation, vehicle emissions, and construction engineering. The PCE-PQC 1x/EU/US series particle counter accurately determines the number of particles in the air. It is increasingly important to measure the degree of air pollution and its pathogenic particles, such as soot, and emissions from industry and diesel vehicles without special filtering. The dispersion of these particles is the cause of reduced visibility, and the aspiration of harmful substances, which in turn reduces labor productivity. For some time it has also been known that this type of particles are the cause of diseases, such as asthma, bronchitis, and skin and lung diseases. Particle counters have been designed for quick and easy use. The PCE-PQEC 1xEU/US series particle counter works in different modes (automatic, manual, real-time indication, cumulative/differential, mass concentration) and indicates the results on the screen until the device is turned off.

EIN 37-1939950

11300 NW 87 CT STE 150 Telephone: 786 816 7489 E-mail: info@testglassware.com
 HIALEAH, FL 33018 Website: <https://testglassware.com/>



Features:

Internal memory

Particle thickness measurement up to 25 μm

Color screen

Ergonomic

3 measurement channels

ISO 14644-1, EU GMP Anh. I, FS 209E

Mass concentration

USB

Incl. calibration certificate traceable to NIST

Standards: ISO 21501-4 and JIS B9921

Includes:

1 x Particle Meter

1 x Isokinetic probe

1 x purge filter

1 x Li-Ion Battery

1 x Software for data download

1x USB Cable

1x network adapter

1x Instruction Manual

1 x Calibration Certificate

Full Specifications

Size range; 0.3 ... 25 μm

Channels:

Factory setting: 0.5, 1.0, 5.0 μm

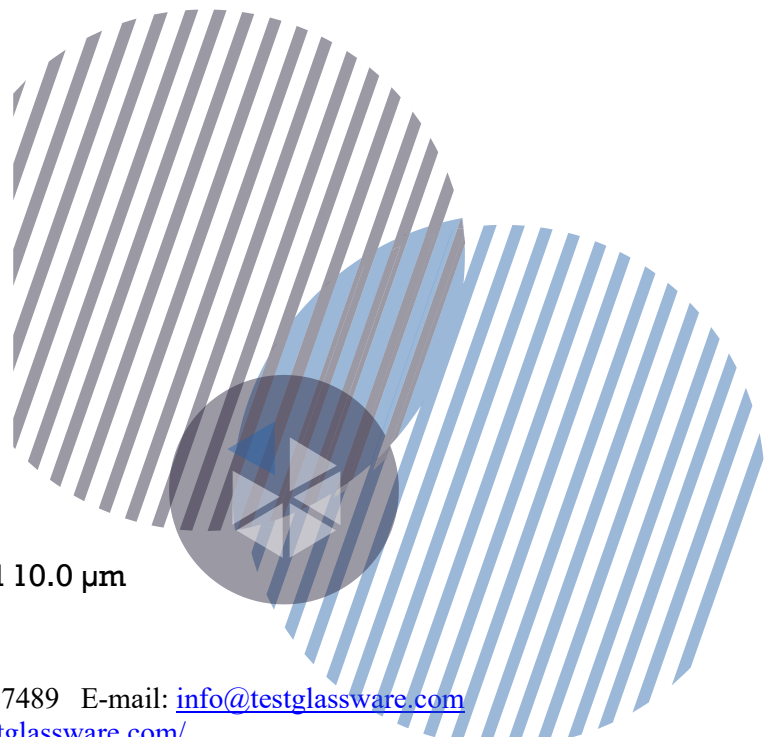
Certified sizes: 0.3, 0.5, 1.0, 2.5, 5.0 and 10.0 μm

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Channel width 1 fixed

Channel 2 width adjustable between values $>$ channel 1 width and $<$ channel 3 width

Channel 3 width adjustable in values $>$ channel 2 width and \leq maximum certified width

Counting efficiency: 50% at $0.3\ \mu\text{m}$, 100% for particles $>0.45\ \mu\text{m}$ per JIS

Sampling flow: 2.83 l/min ($0.1\ \text{ft}^3/\text{min}$)

Coincidence losses: 5% bei 4,000,000 particles/ ft^3

Accumulator operating time: 10 h

Light source: Long life laser diode

Zero drift: <1 count / 5 minutes (<2 particles/ ft^3)

According to ISO 21501-4 and JIS

Counting modes: Automatic, manual, real-time indication, cumulative / Differential, mass concentration

Alarm: 1...9999999 adjustable

Calibration: Traceable to NIST

Display: 4.3" WQVGA color touch screen, 480 x 272 pixels

Printer: External thermal printer

Suction: Internal pump with automatic flow regulation

Air outlet: Internal HEPA filter

Battery: Exchangeable Li-Ion battery

Charging time: Approx. 4 hours

Reports: ISO 14644-1, EU GMP Annex 1, FS 209E

Settings: Memory for 50 custom settings

Standards: ISO 21501-4 and JIS B9921

Dimensions: 25.4 x 12.9 x 11.4cm

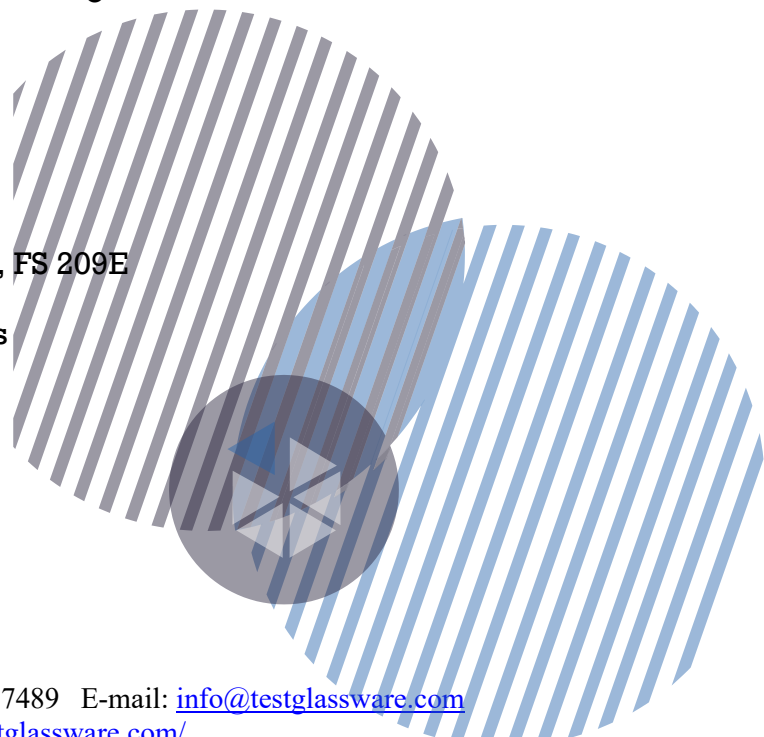
Weight: 1.0kg

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Memory: 45000 records (cyclic memory), Includes: particle count, temperature and humidity, place and time

Location: You can store up to 1000 locations

Sampling time: 1 s ... 99 h, adjustable

Power supply: 110 ... 240 V AC 50/60 Hz

Operating conditions: +5 ... +40 °C, Up to 95 % R.H. no condensation

Storage conditions: 0 ... +50 °C, Up to 98 % R.H. no condensation

Interface: USB

Optional interface: Ethernet, Wi-Fi 802.11 b/g, RS-485 or RS-232

Number of channels: 3

