

PARTICLES

EXTENDED DC TECHNOLOGY



CAP3070 | CAP3071

PARTICLE COUNTER

- ✓ Reliable and proven technology
- ✓ Fast and easy measurement
- ✓ Low maintenance
- ✓ Easy integration



TESTED AND APPROVED EQUIPMENT

The CAP3070 | CAP3071 particle counter uses Extended DC measurement technology combined with a patented design. Already in use in several European countries, it is approved by METAS, PTB, and NMI. Other approvals are pending.



CAPELEC EXPERTISE

Compliance and anticipation

CAPELEC works alongside official organisations to define road safety standards. This involvement guarantees compliant, sustainable solutions that are aligned with regulatory developments.



ERGONOMICS

QUICK AND EASY MEASUREMENT

The operator follows the instructions on the screen and completes the **procedure in 30 seconds**.

- Intuitive interface
- Printable test report
- PASS/FAIL result
- Slow measurement, without polluting or noisy acceleration

MODULARITY

Integration with existing equipment or standalone use

- Independent version
- Integrated version to complement CAPELEC Gas and Smokemeter functions

Display :

- Version without interface to connect
- PC version on large screen totem and remote control
- Mobile version with tablet



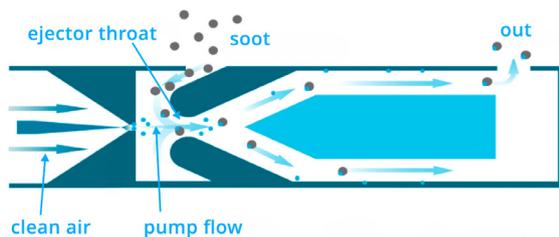
Daily maintenance and ease of use :
impacts on operating costs and productivity.

PATENTED SOLUTION

REDUCED MAINTENANCE

The cell design limits maintenance and consumables. Particles are sucked in by the **Venturi effect using a clean air flow** and electrostatically charged at the sensor inlet. This keeps the sensor clean and extends its service life.

Direct-flow design



- No filter
- No clogging or fouling
- No cleaning
- No consumables
- No recalibration
- Insensitive to shocks and vibrations
- High availability and extended service life



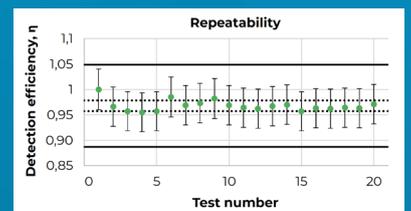
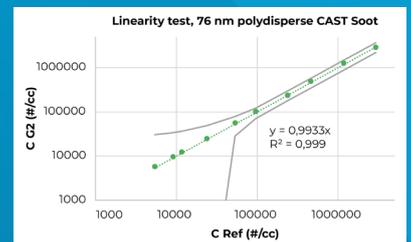
New generation particle sensor

EXTENDED DC TECHNOLOGY

ACCURACY AND REPEATABILITY

Extended DC goes beyond the Diffusion Charging process. It further increases the accuracy of results thanks to a concentration compensation algorithm.

- Wide measurement range
- Up to tens of millions of particles
- Very short response time



Integration into the CAPELEC ecosystem



Patented solution with no clogging and reduced maintenance



Fast 30-second measurement

CONCEPTION & FABRICATION
FRANÇAISES



Watch the video

OPTIONS



OBD/OBFCM CAP4350



Tachometer CAP8535



2 or 4 meters heated long probe



Trolley

SPECIFICATIONS

CAP3070 | CAP3071

Measuring range	5 000 à 5 000 000 #/cm ³ (regulatory)
Resolution of indication	1000 #/cm ³
Response time	< 10s (T0 à T95)

POWER SUPPLY

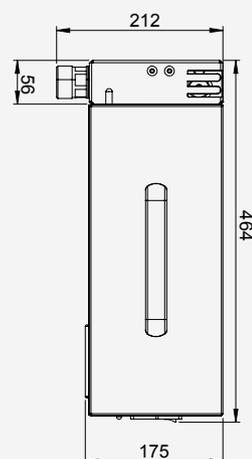
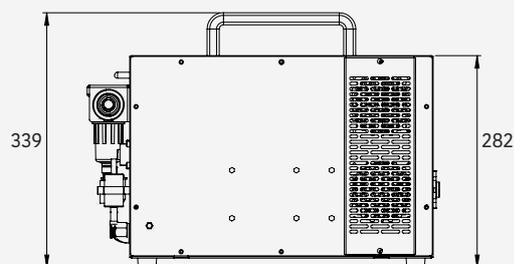
CAP3070	230 V
CAP3071	110 V

HMI

Communication	Bluetooth
Device	PC or Tablet
OS	Windows

INTERFACES

Totem	Totem 1.80 m 27" touchscreen Remote control (optional)
Tablet	10" touchscreen tablet Protective cover



BRAKING | EMISSION | LIGHTING

