

# PM / CO<sub>2</sub> Transmitter

## for expert environments

### PMsenseCR

#### FAST DETECTION OF DUST PARTICLES

Accurate and reliable monitoring of cleanrooms as described in the ISO 14644 Standards

#### HIGH SENSITIVITY

Laser scattering principle

Real time particle count from 0.3µm to 10µm

#### LONG OPERATING LIFE

Continuous operating mode or user configurable cyclic intervals to extend sensor lifetime

#### OUTPUT AT CHOICE ACCORDING TO YOUR NEEDS

RS485 Modbus-RTU standard output - models with 2 analog 4...20 mA or 0...10 V output also available

#### ADDITIONAL CO<sub>2</sub> MEASUREMENT

Range 0...5000 ppm

### MONITORING PM IN CLEANROOMS

Whether in the pharmaceutical or high-tech sectors, **cleanrooms** are environments where attention to contamination must be paramount. They must be **closely monitored** at all times to ensure that the required standards are met.

**PMsenseCR** is a particle counter transmitter suitable exactly for these applications. The measuring principle is based on the laser scattering method: it counts and classifies particles according to their size in order to monitor a cleanroom environment as described in the ISO 14644 standards.

Compact, flexible with regards to the choice of outputs and fully equipped with 5 channels (ch. 1 > 0.3µm; ch. 2 > 0.5µm; ch. 3 > 1.0µm; ch. 4 > 2.5µm; ch. 5 > 5.0µm)

The PMsenseCR is maintenance-free, has a fast response, a high sensitivity and an excellent stability. Moreover, the possibility to operate at cyclic intervals configured by the user, allow to extend the PM sensor lifetime.

Optionally, a **CO<sub>2</sub> sensor** can be also integrated in the transmitter.



### Main Applications

Cleanrooms  
Expert indoor environments  
Smart industry

