

Pillard Opastop[®] GP3050ST

Dust monitor for tunnels and parking spaces



Ultimate dust monitor for real-time measures in traffic roads

- Accurate and continuous measures
- Easy installation and maintenance

Pillard Opastop® GP3050ST monitors dust levels in tunnels and underground constructions providing continuous and accurate measures.

Pillard Opastop® GP3050ST is the ultimate solution to measure pollution level in traffic areas (road and train tunnels, underground car parks), ensuring air quality and visibility.

The air sample drawn through an integrated fan crosses a measuring vessel fitted with a high power light emitting diode and a measuring cell.

This cell positioned at 90 degrees to the emitting diode estimates opacity by the reflection of light on the particles in suspension.

A second cell located opposite the emitting diode is used to monitor and quantify the optics fouling to automatically correct any drift.

Analyzer panel features

Protection	IP65
Electric supply	230V/115V (+10%/-15%) 50Hz/60Hz
Power consumption	50W - 100W with heater
Measuring range	0 - 15.10 ⁻³ E/m
Measuring scale	0 to 100%
Display resolution	0,1%
Response time	< 10s
Analog output signal	4 - 20mA (500Ω max.)
Logic indications	— 2 threshold relays — 1 general fault relay
Dimensions	400 x 300 x 200mm
Weight	10Kg



ACCURATE AND REAL-TIME MEASURES

Pillard Opastop® GP3050ST provides accurate results eliminating distorted measures due to monitor fouling. The optical backscatter allows continuous dust level readings.

QUICK AND EASY MAINTENANCE

The full dismountable design of Pillard Opastop® GP3050ST allows to unscrew and unclip each pieces for a faster and easier maintenance.

The sealing of the turbine ensures a longer life cycle and an optimized use of the opacimeter.