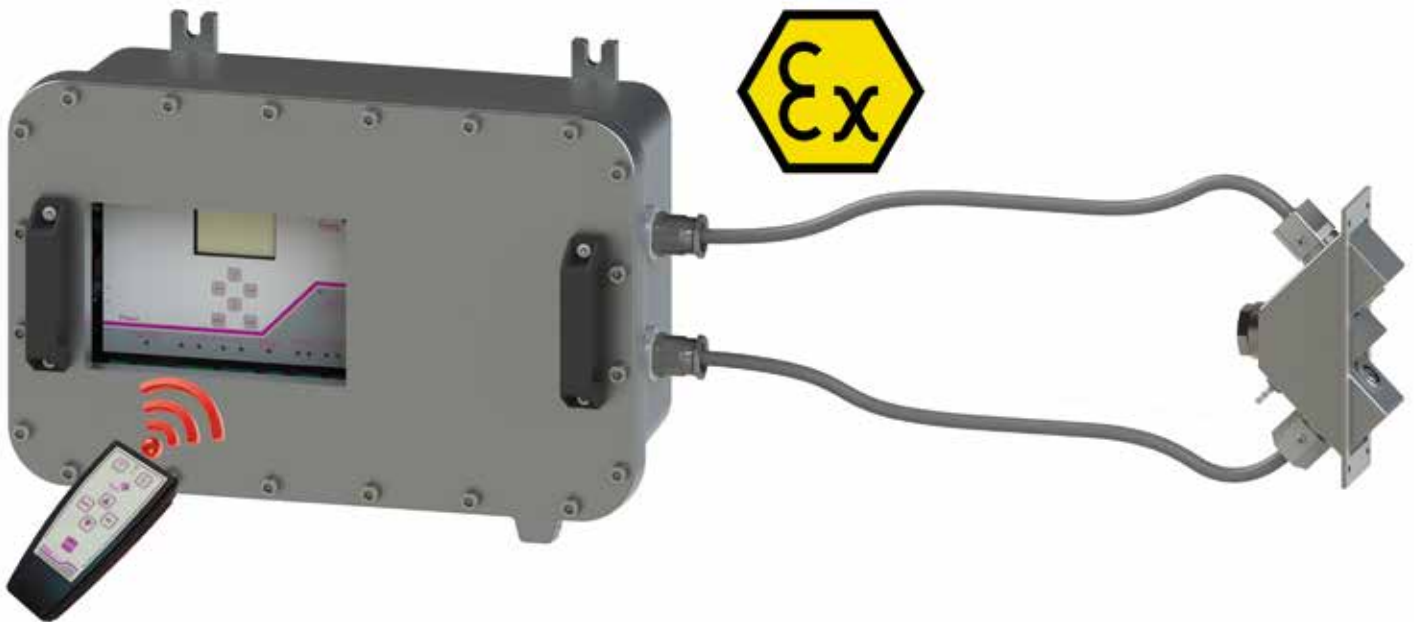


# Pillard Opastop<sup>®</sup> GP4000H-EX



## Dust monitor in hazardous area for industrial stacks

- Proven technology, accurate results
- Simplified measurement system
- Flexible solution, can be applied to all industries
- Easy installation with a single sensor
- Standard or circular sensor design for all installation



Pillard Opastop® GP4000H is Fives' latest solution for low to medium dust concentration to ensure continuous measure and control dust emissions.

With advanced back scattering technology for stacks and after bag filter monitoring, Pillard Opastop® GP4000H-EX is the EX proof ultimate solution to monitor dust emission while meeting regulations and certifications, and suitable for explosive environments.

### PROVEN TECHNOLOGY, ACCURATE RESULTS

Through the back scattering technology, the LED light beam offers accurate measurement (insensitive to ambient light). The self-checking functions and correction soiling system avoid a distorted measurement signal.

### TECHNICAL FEATURES

#### PANEL ANALYZER

Housing	Aluminium alloy
Power supply	230V/115V (+10%/-15%) 50 Hz/60 Hz
Operating temperature	-20°C to +50°C
Measuring range	0 to 1 000 mg/m <sup>3</sup>
Measuring scale	Adjustable, minimum 10 mg/m <sup>3</sup>
Display correction	Automatic scale switch-over
Analogue output	3 (4-20 mA - 750 Ohms)
Digital processing	4 programmable relays on scale, threshold fouling level & general fault
Dimensions/weight	566 x 388 x 297 mm/45 kg
Power consumption	50 VA

#### SCANNER HEAD

Shell	X2CrNi18-09 1.4307
Heating element	Electric resistor 300VA Explosion hasard area 2/22 IP66
Sweeping air pressure/ flow rate	0.3 to 0.4 bars / 3 Nm <sup>3</sup> /h
Maximum flue gas temperature	450°C
Automatic self-checks	Air presence and temperature control
Weight	4.8 kg

#### OPTICFIBER

Sensor tip and sheath	X2CrNi18-09 1.4307
Standard lengths	2.20m

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### FLEXIBLE SOLUTION

Pillard Opastop® GP4000H is adapted to all industries:

- Small, medium and large sized ducts
- Weak and substantial dust concentration
- Light and dark colored particles (coal, oil biomass and other solid fuels)

### EASY INSTALLATION WITH A SINGLE SENSOR

Pillard Opastop® GP4000H-EX is simplified thanks to a single sensor designed for one sided mounting.

### ADAPTATION THANKS TO SMART DESIGN

As high-performance solution, Pillard Opastop® GP4000H-EX is adapted to specific industries' features (higher length of optic fiber, materials, dimensions, flue gas temperature up to 650°C).

### OPTIONS

- 3-year warranty (optional)
- Air sweeping device (optional)
- Protection cover
- Stainless steel box
- Linearity kit



Circular flange design in option

### SERVICE

- Commissioning assistance
- Annual maintenance contract

### CERTIFICATIONS

- Compliant with NF X 43-302
- Explosion hasard area: 2/22
- IP66 protection rating (EN 60529)
- European regulation related to electromagnetic compatibility (2004/108/CE)
- QAL1 certification according to EN 15267 standard (certificate N°.0000040209)

### CONTACT

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