

# Pillard Nocostop Premium™

Toxic gas detector for Tunnels



## Ultimate toxic gas detector for your security

- Continuous detection
- Easy operation, easy maintenance
- Increased resistance
- Stainless steel (316L)

# Pillard Nocostop™ Premium is a continuous toxic gas measurement system for tunnels

Monitoring air quality in tunnels is essential to ensure users' safety. Regulations impose limited values and maximum exposure time to toxic gas.

## MECHANICAL FEATURES

Material	Steel 316L
Protection	IP65/IK07
Dimensions/weight	210 x 165 x 107mm/1.6kg
Cable input	Packing gland PG13.5 for diameter cable from 6 to 12mm
Anti-splashing devices	Integrated
Particle filter	Integrated

## METROLOGICAL FEATURES

Measuring range	CO: 0-20 to 300ppm ; NO: 0-10 to 100ppm ; NO <sub>2</sub> : 0 - 1 to 20ppm
Resolution	CO and NO: 0.1ppm NO <sub>2</sub> : 0.05 ppm
Accuracy	+/- 2%
Detection inferior limiting	CO: 1 ppm ; NO: 0.5 ppm ; NO <sub>2</sub> : 0.2 ppm
Response time	CO < 30s
Lifetime	> 3 years
Drift measure	CO and NO: 5%/year, NO <sub>2</sub> : 10%/year
Temperature range	-20°C to +60°C
Humidity conditions	0 to 100% of humidity; 800 to 1,200hPa

## ELECTRICAL FEATURES

Electric supply	24VDC +10/-15%
Power consumption	1.5W
Analogue output	4/20mA (max 250 Ohms)
Digital output	Modbus RTU (RS485)
Fault alert	Signal included between 1 and 3mA

## OPTIONS

Display	LCD
Extractive measurement	Adapter for gas circulation
Maintenance	IR remote

## NORMS AND STANDARDS

Compliant with	ECM directives 2014/30/UE : NF 61000-6-2, NF 61000-6-4 EN 50545-1 (2012), EN 60947-1 Note n°26 (CETU), NF EN ISO 9001 (2015), ISO 14001 (2015)
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Communication console by IR.

## CUSTOMER BENEFITS

- Indication of the cell lifetime
- Calibration time < 5 minutes
- Easy dismounting of gas cells without tool
- Memory function of maintenance operations with dates (commissioning, default & alarm, calibration, cleaning,...)
- Communication available: Bluetooth, RS485 and Android app
- Setting by IR Remote

## CONTINUOUS DETECTION

Pillard Nocostop™ Premium detector has been designed to measure continuously the concentration of carbon monoxide (CO), nitrogen monoxide (NO), nitrogen dioxide (NO<sub>2</sub>). Measure is evaluated by means of electrochemical cell specific to each gas (CO, NO or NO<sub>2</sub>). Using the 4/20mA output, electronic microprocessor cell displays the measure. Integrated filter system protects the cell from fouling, fog and water spray.

## EASY MAINTENANCE

The communication console management by IR makes maintenance operations easier and calibration operation takes less than 5 minutes. The LCD screen requires no adjustments, making the whole system even more simple. The indication of the cell lifetime allows immediate information to replace the cell. The device is compatible with most of digital communication mode.

## INCREASED RESISTANCE

With its stainless steel unit (316L), Pillard Nocostop™ Premium is highly resistant, even in extreme environments.

## CONTACT

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