



The Splash Guard is an optional accessory available for many CET gas detectors, designed to make the enclosure resistant to water and dust in wash-down or water-spray environments. It is recommended for installations where routine equipment spray-down is common, providing added protection for the sensor.

The Splash Guard is factory installed over the sensor vent on the front of the enclosure, shielding the sensor from exposure to water and dust. Its fluted underside creates a more open pathway for gas diffusion, while the multi-step ridge design forms an effective barrier that prevents water from penetrating and reaching the sensor. When installed, the enclosure meets IP54 standards.

For calibration purposes, a special calibration clip (P/N: CET-SGC) is available for use with the Splash Guard to help ensure accurate and successful calibration.

While the Splash Guard may slightly slow the sensor response time during calibration, most sensors continue to accurately detect gas with it installed. Exceptions include Chlorine (Cl_2), Chlorine Dioxide (ClO_2), Ozone (O_3), Hydrogen Chloride (HCl), Hydrogen Cyanide (HCN), and Phosphine (PH_3) sensors. These gases are considered "sticky gases" that tend to adhere to the Splash Guard and enclosure vent rather than flowing freely to the sensor, preventing accurate detection.

Units equipped with sticky gas sensors may be ordered with a specialized Splash Guard for sticky gases (Option -SN) to address this limitation.

KEY FEATURES

- » Protects sensor and interior of the enclosure from water and dust
- » When installed, enclosure is IP54 rated
- » Ideal for wash down, water spray, wet environments or outdoor applications
- » Factory installed

APPLICATIONS

- » Food Processing Plants
- » Wineries and Breweries
- » Wastewater Treatment Plants
- » Meat Processing Plants
- » ... and many more

TECHNICAL SPECIFICATIONS

MECHANICAL

Material	ABS/Polycarbonate blend, injection molded
Size	54 mm dia x 9.3 mm thick 2.13 inches dia x 0.37 inches thick

CERTIFICATION

Device is rated IP54 with splash guard installed. Provides protection from dust that may harm the equipment and protection against water spray from all directions.

CET COMPATIBLE PRODUCTS

CGAS-SC Self Contained Controller (except sticky gases, NO_2 and $\text{CO}+\text{NO}_2$)

CGAS-A and CGAS-D Gas Detector (except sticky gases, NO_2 and $\text{CO}+\text{NO}_2$)

LPT Low Power Transmitter (except Cl_2)

ESH-A Remote Sensor

PRODUCT CODES (OPTION)

OPTION (Factory installed) Add at the end of the product "Part Number".

S	Splash Guard for protection against water and dust ingress
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Note: For sticky gases, NO_2 and $\text{CO}+\text{NO}_2$ use Option -SN.





This Splash Guard for sticky gases in an optional accessory that can be added to CET transmitters at time of order. It provides protection for the sensor in wet and/or washdown environments, such as equipment cleaning and sanitization schedules.

Sticky gases can be difficult to monitor because they adhere to surfaces. The Splash Guard for sticky gases is specially designed to allow the sampled air to reach the sensor during normal operation.

Examples of Sticky Gases

- Chlorine (Cl_2)
- Chlorine Dioxide (ClO_2)
- Ozone (O_3)
- Hydrogen Chloride (HCl)
- Hydrogen Cyanide (HCN)
- Phosphine (PH_3)
- Nitrogen Dioxide (NO_2) (certain models)

To ensure a successful calibration, use Teflon lined tube so the sticky gas doesn't adhere to the tubing and cause an inaccurate calibration. The length of the Teflon tubing should be no more than 61 - 91 cm / 2 - 3 ft so the gas flow concentration doesn't lessen over the distance from the gas cylinder to the sensor.

NOTE: Option -SN should also be used with NO_2 and $\text{CO}+\text{NO}_2$ models of the cGas product line.

KEY FEATURES

- » Specifically designed for use with sticky gas sensors
- » Protects sensor and interior of enclosure from water and dust ingress
- » Ideal for wash down, water spray, wet environments
- » Factory installed

APPLICATIONS

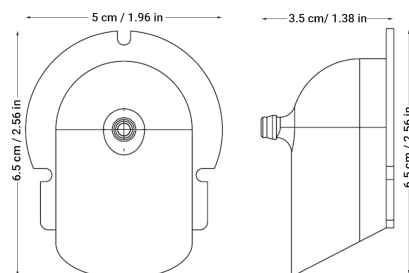
- » Swimming Pools
- » Food Processing Plants
- » Wastewater Treatment Plants
- » Fisheries/Hatcheries
- » Laboratories
- » Aquariums
- » ... and many more

TECHNICAL SPECIFICATIONS

MECHANICAL

Material	Nylon
Colour	Dyed matte black
Size	6.5 cm / 2.56 in long
	5 cm 1.96 in wide (at widest part)
	3.5 cm / 1.38 in deep

TECHNICAL DRAWING



CET COMPATIBLE PRODUCTS

For use with sticky gas sensors models in the following products:

	Depth of enclosure when installed
CGAS-SC Self Contained Controller, including NO_2 and $\text{CO}+\text{NO}_2$	11.53 cm / 4.54 in
CGAS-A Analog Gas Detector, including NO_2 and $\text{CO}+\text{NO}_2$	11.1 cm / 4.37 in
CGAS-D Digital Gas Detector, including NO_2 and $\text{CO}+\text{NO}_2$	11.1 cm / 4.37 in
LPT Low Power Transmitter	8.8 cm / 3.46 in

PRODUCT CODES (OPTION)

OPTION (Factory installed) Add at the end of the product "Part Number".

SN	Splash Guard for sticky gases (Cl_2 , ClO_2 , HCl , HCN , O_3 , PH_3 , and some NO_2 , $\text{CO}+\text{NO}_2$ models)
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