

Gas Detector

Teta EcoWent

Teta EcoN

Product code: PW-105-CO, PW-111-NO2



Innovations



Reliability



Cost efficiency



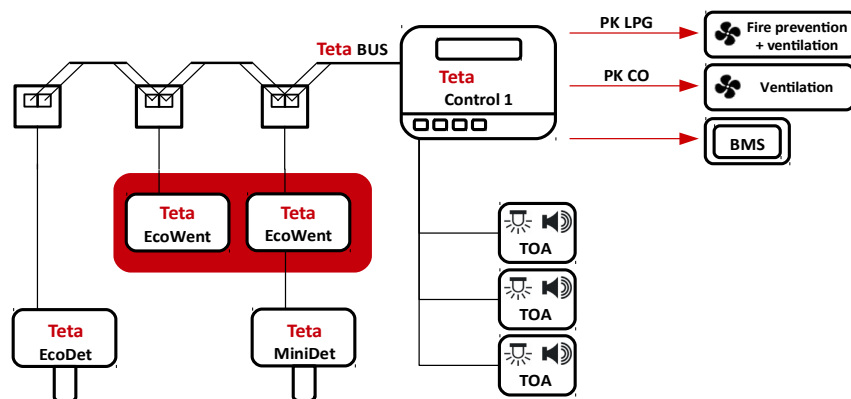
Information about the product

Teta EcoWent and Teta EcoN gas detectors are monitoring devices designed to check carbon monoxide and nitrogen dioxide concentrations in open-access confined spaces (garages and underground car parks) and meant as components of the innovative system for gas detection – Teta Gas.

Key advantages of detector:

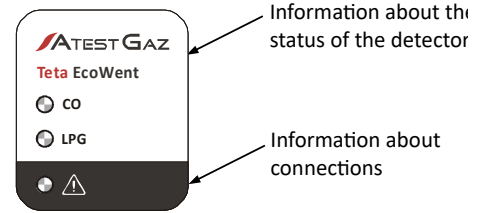
- power supply and data transmission via a single, two – wired cable,
- insensitive to polarization of the connection,
- simple and clear method for scanning and identification of detector addresses,
- simple identification of the detector status,
- 3 alarm thresholds,
- built-in electrochemical sensor insensitive to changes of ambient conditions.

Location and role of the device in Gas Safety System

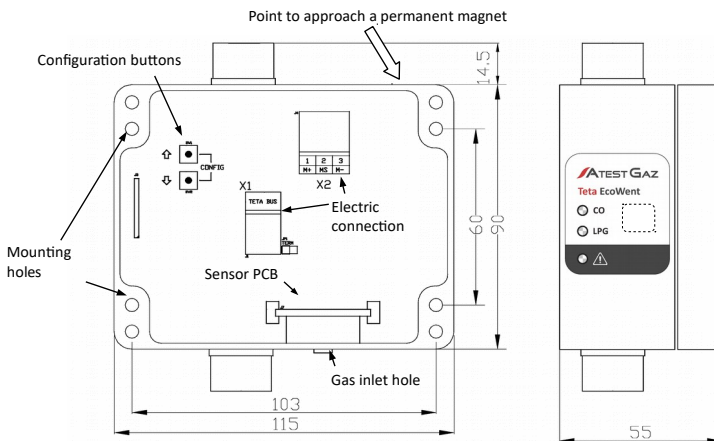


User interface

Teta EcoWent can indicate their operation status. It is accomplished by means of a signal LED visible on the side part of the detector enclosure. The exceptional functionality of the detector consists in its ability to easily disclose its address within the gas detection network with no need to open its enclosure – it is enough to approach a permanent magnet to a specific point of the enclosure.



Electrical interface and dimension



Port designation	Name	Pin	Description
X1	TETEA BUS		Teta Bus port
			Supply / Signal line
			Supply / Signal line
X2			Teta MiniDet detector port
	M+	1	Positive
	M-	3	Negative

Technical specification

Power supply	12 – 50 V $\overline{\text{AC}}$		Integrated signalling equipment (visual)	LED indicators
• Voltage V_{cc}				7-segment type display LED
• Power	0,5 W		Protection class	III
• CO / NO ₂	1,5 W		Cable glands (cable diameter range)	Gland pressed into the installation pipe – diameter of the pipe 16 mm. Glands multiband – diameter of wire 3.5 – 12 mm
• CO + LPG			Acceptable cables	0.2 – 2.5 mm ² – solid wire 0.2 – 2.5 mm ² – multi-wire cable
Environment	In-operation	Storage	Enclosure material	ABS
• Ambient temperatures	-20 – 40 °C	0 – 40 °C	Weight	0.3 kg
• Humidity	10 – 90% long term, 0 – 99% short term	30 – 90% long term	Mandatory periodic inspection	Every 12 months (Calibration Certificate validity)
• Pressure	1013 ± 10% hPa		Mounting	4 screw holes 4 mm
Measure substance	Carbon monoxide (CO)	Nitrogen dioxide (NO ₂)		
Measure range	0 – 300 ppm	0 – 10 ppm		
IP	IP 43			
Digital communication parameters				
• Communication port	Teta BUS			

Product marking

Product code	Device
PW-105-CO	Gas Detector Teta EcoWent
PW-111-NO2	Gas Detector Teta EcoN

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