

Gas Detector

Teta EcoDet

Product code: PW-106-LPG



Innovations



Reliability



Cost efficiency



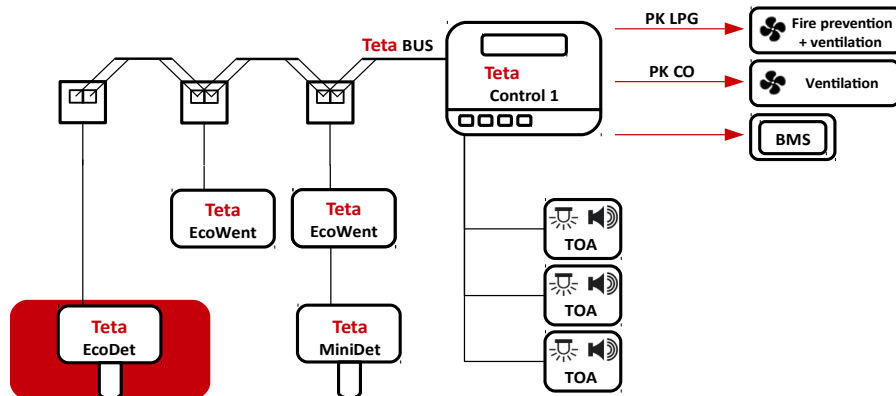
Information about the product

Teta EcoDet gas detector are monitoring devices designed to check propane-butane (C₃H₈, C₄H₁₀) concentration in open-access confined spaces (e.g. boiler rooms, manufacturing or warehouse shops heated with gas-fired IR radiators) and meant as components of the innovative system for gas detection – Teta Gas.

Key advantages of detector:

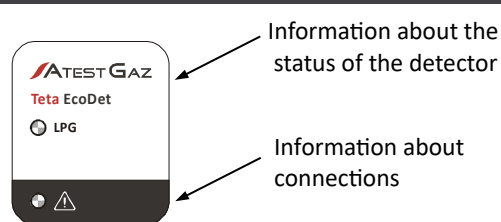
- power supply and data transmission via a single, two – wired cable,
- insensitive to polarization of the connection
- simple and clear method for scanning and identification of detector addresses
- built-in catalytic sensor insensitive to changes of ambient conditions
- 3 alarm thresholds
- signalling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

Location and role of the device in Gas Safety System

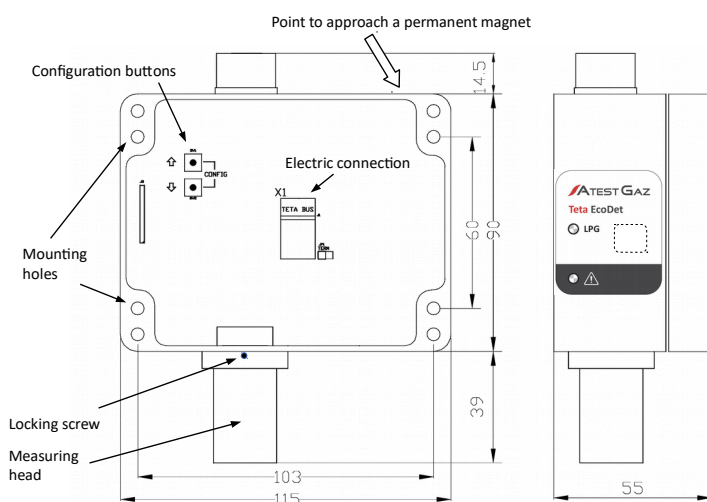


User interface

Teta EcoDet detector 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

Technical specification

Power supply	12 – 50 V ~ 1.8 W	
Environment	In-operation	Storage
• Ambient temperatures	-20 – 50°C	0 – 50°C
• Humidity	10 – 90% long term,	30 – 90% long term
• Pressure	0 – 99% short term 1013 ± 10% hPa	
Measure substance	LPG (C ₃ H ₈ , C ₄ H ₁₀)	
Measure range	50% DGW	
IP	IP 43	
Digital communication parameters	Teta BUS	
• Communication port		

Integrated signalling equipment (visual)	LED indicators 7-segment type display LED
Protection class	III
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
Acceptable cables	0.2 – 2.5 mm ² – solid wire 0.2 – 2.5 mm ² – multi-wire cable
Enclosure material	ABS
Weight	0.3 kg
Mandatory periodic inspection	Every 12 months (Calibration Certificate validity)
Mounting	4 screw holes 4 mm

Product marking

Product code	Device
PW-106-LPG	Gas Detector Teta EcoDet

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