

TSGC230-WiFi



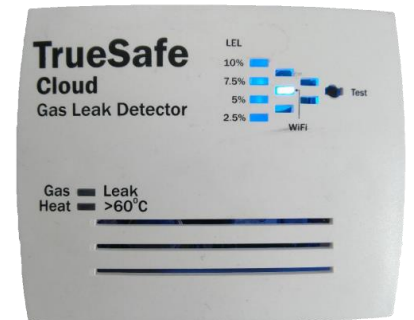
Wireless Gas Leak sensor

(Family-Gas/ IoT)

Product Description:

Gas Leak can pose enormous fire or explosion risk in homes. To protect from these kinds of incidents, TrueSafe gas detector cloud (TSGC230) can be helpful. It gives early warnings to users on the smart phone. TSGC is India's first IoT (Internet of Things) based gas leak detector.

The TSGC-230 provides reliable gas detection for protection of domestic kitchens, small office, pantry rooms etc. TSGC-230 provides buzzer, LED's for indications with cloud connectivity through Wi-Fi. It is compatible with LPG, CNG, PNG. TSGC provides Bar-graph indication for level of concentration of gas leak. Four levels 2.5%, 5%, 7.5% & 10% of LEL are provided. A TEST switch is provided for users to ensure working status. Additionally, it provides Heat detection. If the temperature crosses above 60°C, it generates an audible as well as LED indication to the user and sends alert signal to the mobile app.



Application:

- Smart homes
- Offices
- Commercial kitchen
- Factory
- Pantries
- Small canteens

USPs:

- Accurate sensing
- App notification
- User friendly configuration

Product Features:

- Detects gases like LPG, CNG, Natural gas etc.
- Potential free relay contacts for alarm output (Optional).
- Cloud connectivity through Wi-Fi (Internet connection).
- Compatible to LoRa ,NB-IoT
- TrueSafe detector has a unique patented enclosure design.
- Semiconductor type sensor, life is 5 years.
- Notification on the android or iPhone APP

TSGC230-WiFi



Vighnaharta™

Wireless Gas Leak sensor

(Family-Gas/ IoT)

Technical Specifications:

General specifications	
Detection method	Natural diffusion
Gases detected	LPG/PNG/CNG
Sensor type	Semiconductor
Sensor life span	2-3 years
Display	Analog/ LEL display
Response time	Less than 2 second
Warm-up period	When TrueSafe is powered ON, it enters in the warm-up period for approximately one minute. Gas leak and heat LED flashes rapidly and simultaneously during warm-up period
Electrical specifications	
Power supply	230 V, AC 50 Hz
Power consumption	0.6 W (at +10 V) to 2 W (at +32 V)
Detection distance	3-4 Meter in radius
Environmental specifications	
Operating temperature	-10 ⁰ to +55 ⁰ C
Storage temperature	-10 ⁰ to +60 ⁰ C
Humidity	0 to 95% Rh
Mechanical specifications	
Protection class	ABS
Cabinet material	Polycarbonate
Cable entry	Not required
Dimensions	111 x 90 x 40 mm (H x W x D)
Mounting	Wall mounting/ Stand mounting
Weight	Approx. 250 g
LED indications and output signal	
LED indications	<ul style="list-style-type: none">• Bar graph indication for Premium Model 10% LEL: Red LED 7.5% LEL: Yellow LED 5% LEL: Yellow LED 2.5% LEL: Yellow LED• Wi-Fi Detection: Blue LED
Output	PFC relay contact NO/NC, & valve output, RS-485(optional)
Accessories with unit	
	<ul style="list-style-type: none">• TSGC230 with Cloud Connectivity with power cord• Mounting screws and plug• User manual

TSGC230-WiFi



Vignaharta™

Wireless Gas Leak sensor

(Family-Gas/ IoT)

Certifications	
	CE certifications

Warranty	
	12 Months against manufacturing defects only.

Abbreviations	
TSGC230	TSGC-TrueSafe gas cloud, 230-Operated on 230V AC

