

# Gas Detection Systems



  
**Prisma**  
**GAS EQUIPMENTS**  
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## TC 100N Gas Detector

TC 100N Gas Detectors are employed to detect Combustible Gases, Toxic Gases and CH<sub>4</sub> Gas compounds (%LEL) in classified areas. The Catalytic sensors employed for the flammable Gas Detection show excellent output linearity up to 100% LEL.

TC 100N line has been designed to offer a wide range of alternatives that grant customers the best solution to their requirements.

TC 100N has been specifically designed to offer high performance products for industrial applications.

Degree of Protection: Exd II CT6

### FEATURE & BENEFITS

- Excellent Repeatability
- High Sensitivity and Long Life
- Low Drift and Reliable Performance
- Adopts Double Wire Bus Structure
- Easy Sensor Replacement
- Wide Range of Sensors and Detectable Gases
- Standard 4-20mA 3 wires outpur / RS 485
- Wide Rane of Accessories for Installation and Maintenance
- Explosion Proof Design, Suitable for Hazardous Place Use
- Hardly Affected By Temperature and Humidity

## **SPECIFICATIONS**

- Target Gas: Combustible Gas and Toxic Gases
- Sample Manner: Natural Diffusion
- Sensor Type: Catalytic Sensor
- Power Voltage: DC 24V.
- Response Time: < 30s
- Accuracy: F.S  $\pm$  3%
- Current Consumption: 2 W
- Detection Range: 0-100% LEL
- Working Temperature: -40 °C -- +70 °C
- Explosion Proof: Exd II CT6
- Protection Degree: IP 65
- Output Signal: RS485 Digital Output
- Transmission Distance: 1000 m
- Color: Orange
- Weight: 1000g
- Body Material: Die Cast Aluminum



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