



SERIES
700

Combustible Gas Analyser



FEATURES

- Simple to use Combustible Gas Analyser.
- Compact, rugged, EM Radiation proof metal housing.
- Long life, easy to change Sensor.
- Both High and Low Audio-Visual Alarm capability.
- Low Power LCD monitoring.
- Powered by built-in rechargeable Ni-MH battery.
- Battery charger is standard with equipment.
- Sealed and oil-proof membrane touch-switches.
- Extremely compact and reliable due to Surface Mount technology.



SPECIFICATIONS

701

702

DISPLAY

Type	: LCD	LCD
Range	: LEL 0 - 100 %	Concentration 0 - 5.0%
Resolution	: 1%	0.1%
Accuracy	: ±5% full scale	± 1% full scale
Low Alarm Range	: 0-100.0%	0 - 100.0%
High Alarm Range	: 0-100.0%	0 - 100.0%
Alarm	: Respective LEDs on panel; fast beep for Low and slow beep for High Alarm.	

SENSOR

Type	: Low Power Catalytic Thermal Conductivity Detector and Compensator beads in single compact enclosure. Non depleting High Life Sensor.
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A policy of continuous product improvement may make this information outdated. We reserve the right to make changes without prior information.



GENERAL DESCRIPTION

Series 700 Combustible Gas Analyser is a compact, easy to use portable instrument for use in Industry, Public Works, Mines, Laboratory etc. It uses a Catalytic Thermal Conductivity sensor that has a Stainless Steel Flame arrestor and has CENELEC, CSA and UL flameproof approvals. The Detector and compensator beads are in a single compact enclosure. It incorporates latest technology and includes all the features you would expect from a leading analyser in this segment. It is easy to operate, reliable and inexpensive. To operate simply push ON/OFF button. It calibrates at the turn of a preset and has an easy to read LCD digital display. LO and HIGH user preset Alarm are standard features. Alarm set value can be read on the display. On actuation of LO or HIGH Alarm, the respective LED glows to give a warning, and is accompanied by its distinctive tone - fast beep for LO and slow beep for HIGH Alarm. If Sensor is not connected, the LO Alarm is automatically actuated. If battery is weak a (LO) BAT indication will appear. The unit comes complete with built-in rechargeable NiMH battery and a mains charger - no batteries to change periodically. A recorder output is provided should there be a requirement to log or to transport data, or connect to other systems. The instrument is housed in a rugged cast metal case that is strong, safe and cuts out electromagnetic radiation. The

instrument has superior aesthetic appeal and is designed to last longer. The Sensor is a long-life, electrochemical device with a unique plug-in feature. It is warranted for twelve months and is easy to replace in the field. It would last two to three times longer than most other galvanic sensors. The Analyser comes with option of two basic display ranges i.e. Lower Explosive Limit Model 701, or Concentration Percentage Model 702.

Calibration: Typically with Hydrogen and responds to other combustibles as per relative response factor; calibration with other gas on request e.g. butane.

Multiple Applications with Single Analyser: There are two types of Stainless Steel Sensor Caps available. The first type is the Tube Connection Cap TCC with nozzle to facilitate user-connection to a low-pressure just-flowing source by a plastic or similar tubing of approx 3 mm ID. The sample exits from holes on the cap around the inlet. The second type of Cap is the Diffusion Sampling Cap DSC that is recommended for atmospheric diffusion monitoring and the analyser is supplied with this cap as standard unless specified otherwise. In applications requiring pump sample draw from atmosphere, an optional inbuilt battery powered pump hand probe with 2 m tubing to Analyser is available.

ORDERING INFORMATION:

Model 701 Combustible Gas Analyser with LEL Range	701
Model 702 Combustible Gas Analyser with % Range	702
Sensor Assembly for Series 700 Combustible Gas Analyser	7000
Back clamp for 700 for fixture or wall mounting use	7005
Black clamp for 700 for wearing on belt	7006
Tube Connecting Cap TCC	7007
Diffusion Sensing Cap DSC	7008
Hand Probe with built-in Pump and 2 Meter tubing	7009



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