



SGTX 7600

Smart Digital Gas Transmitter

Anacon

Process Control

Infrared Hydrocarbon Gas Detection

Non dispersive Infrared detection of Combustible hydrocarbon gases is a reliable technique that avoids potential sensor poisoning. In addition, NDIR sensors are inherently FAILSAFE providing fast detection of a sensor failure. Anacon Model SGTX 7600 provides this infrared detection capability in an explosionproof package suitable for almost any industrial environment

Anacon Model SGTX 7600 is a diffusion based infrared combustible gas detector that provides continuous monitoring of hydrocarbon gases in the range of 0 – 100% LEL (Lower explosive limits).

Gas detection systems have a variety of applications and requirements. Some gas detectors require simple 4-20 mA signal outputs while some are better suited for local alarm relay functions. Some applications require both. Many applications require digital outputs with MODBUS RS485 capabilities for direct interface to their control systems or plant and pipeline SCADA systems. Customers also want to have HART outputs superimposed on the analog signals to provide better flexibility in digital control and also love to have the gas detection systems as a part of their AMS library.



We have them all!

Applications

- Upstream and Downstream Hydrocarbon processing
- Offshore / Onshore oil and gas industries
- Gas metering skids and Gas gathering stations
- Cross country gas pipelines
- Cold storage
- Chemical & Fertilizer Industries / Petrochemical industries
- Sewage treatment plant
- LPG mounded bullets
- Automotive paint workshops
- Coal mines
- City gas distribution networks

Benefits

- Superior optics protection using world leading NDIR technology
- Carbon dioxide sensor options
- Clear menu driven setup pages with large numerical display of gas values
- Explosion proof Stainless Steel sensor housing for the harshest of applications
- Alphanumeric display with backlit options
- Non intrusive calibration and programming
- Multi measurement range with full range linearized and digital output signals
- Shock resistant infrared source
- Built in temperature and humidity compensation to ensure accuracy in measurement
- High humidity alert mechanism, reliable fail safe operation
- Internal data logger
- Three internal alarm relays
- Serial communication interface
- Remote sensor operation
- Optional accessories include weather shield, mounting brackets, gas collection cones and duct mounting kits.



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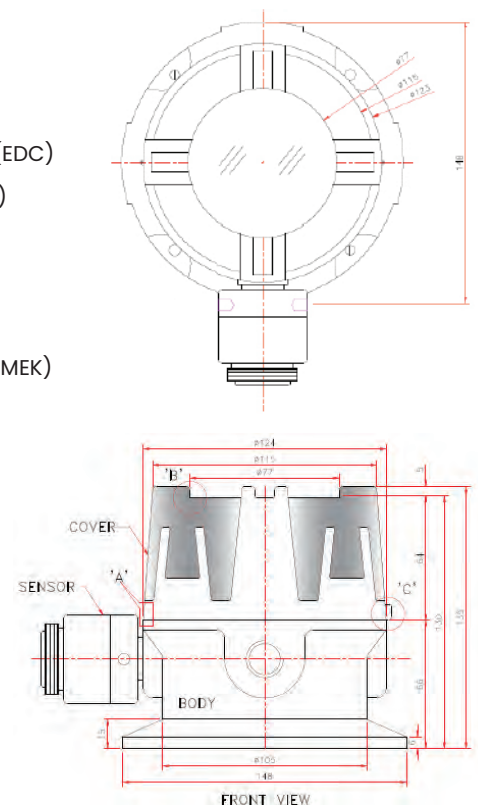
Address: 403/404, gemstar Commercial Complex, 4th Floor, Ramchandra Lane Extension, Malad (West), Mumbai-64

<p>Sensor type : Non dispersive Infrared, Multi beam dual compensated focused infrared with heated optics. Temperature compensation and high humidity alert mechanism. Field Replaceable sensor</p> <p>Sensor Housing : Stainless Steel</p> <p>Sensor Life : > 5 years</p> <p>Measuring range : 0 – 100% LEL</p> <p>Temperature Range : Operating -20 to +85°C Storage -40 to +85°C</p> <p>Humidity : 0-99% RH, non condensing</p> <p>Transmitter enclosure : Explosion proof / Flame proof, Exd IIC T6, IP66 Per IEC 60079-0:2004 / IS/IEC 60079-1:2007 IS/IEC 60529 :2001</p> <p>Electromagnetic : Conforms to EMC Directive 2014/35/EU</p> <p>Compatibility : EN 50270 (immunity) EN 61000 – 6 – 4</p> <p>Controls : Switches on transmitter front</p> <p>Cable entry : 3 nos ½" NPT / 1 no ¾" NPT</p>	<p>Operating Voltage : 18 – 32 V DC</p> <p>Power Consumption : Less than 3w</p> <p>Transmitter type : Microprocessor based with non intrusive calibration</p> <p>Transmitter Housing : Die cast Aluminium (LM6) / Stainless Steel</p> <p>Display : Backlit (3 wire) LCD, 3 status LED's (green/yellow/red) with diagnostic features</p> <p>Sampling Method : Diffusion type. Optional sample draw assembly.</p> <p>Accuracy : +/-2% of full scale.</p> <p>Sensor Response Time : T90 < 5 seconds</p> <p>Warmup Time : Two minutes from power up to normal mode. One hour minimum recommended at startup</p> <p>Current Output : Linear 4-20ma, programmable, isolated/non isolated, current source or sink mode</p> <p>Serial Interface : MODBUS RS485 / HART (optional)</p> <p>Relays : Three alarm relays, 5A@ 30VDC, energized / de-energized. Selectable latching/ non latching</p>
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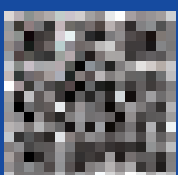
Gases detected / Range 0 -100% LEL (special ranges on request)

Acetone (C3H6O)	Pentane (C5H12)	Paraxylene (C8H10)
Butane (C4H10)	Petrol vapor	Ethane (C2H6)
Ethanol (C2H5OH)	Propane (C3H8)	Ethylene di chloride (EDC)
Ethylene (C2H4)	Propylene (C3H6)	Cyclohexane (C6H12)
Ethyl Acetate (C4H8O2)	THF (Tetrahydrofuran)	Butadiene (C4H6)
Heptane (C7H16)	Xylene (C8H10)	Toluene (C7H8)
Hexane (C6H14)	Methyl acetate (C3H6O2)	Butene
LPG	Propylacetate (C5H10O2)	Methyl Ethyl Ketone (MEK)
Methanol(CH3OH)	Hexane (C6H12)	Isopropanol (IPA)
Methane (CH4)		

This is a partial list of gases. Consult factory for any gas measurement and range.



Specifications subject to change without prior notice



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