

APPLICATION DATA SHEET



Control Systems

Transmitters

Sensors

Accessories

TOC SERIES 2-WIRE SAMPLER MODULES

Sampling Gas Detectors For Hard to Access Locations

750 Series 2-Wire addressable samplers allow you to provide gas detection into areas which may otherwise be difficult. Typical examples could be

Clean Rooms: 750 Series Samplers combined with IGD's through wall sample points are the perfect option for clean rooms.

High Level Gas Detection: No need to fit gas detection into high roof bays where access is difficult. 750 series samplers can be easily fitted at ground level with tubing running to the high level roof space.

Pits and Sumps: These are usually inhospitable places for gas detectors. IGD's 750 Series samplers allow the detection module to be conveniently located for service with tubing running to the pit, sump or drain.

There are many more applications where IGD's 750 Series samplers make sense. The unit incorporates the latest in piezo pump technology with virtually no moving parts, no valves, no pump seal resulting in high reliability and low maintenance. A zero port is provided with active filtration to allow the module to periodically zero itself. This allows reduced detection limits as the detector has no zero drift.

Use with IGD 650 or 750 Series Control Panels

Piezo Pumps With Virtually No Moving Parts, Low Maintenance

Sample Line Length up to 20M 6mm x 4mm Polyurethane Tubing

Sample Rate 1 to 1.5L/Min

Automatic Zero Function (or Calibrate for Oxygen)

Excellent Zero Stability, Allowing Lower Detection Alarms

Constant Flow Monitoring

Programmable Sample and Zero Periods

Ref T750S-2



Accessories Available For:

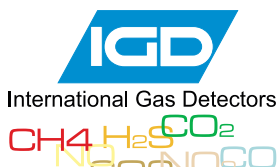
Clean Room Sample Points

End of Line Sample Tube and Filters

Sample Point Gas Collector Cones

Fitting Kits with 20M Tube Coils

PTFE Tube Options



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Standard Specifications

Power	24V DC
Construction	ABS Enclosure
Outputs	4 off SSR Outputs (Switched Neg 24V DC, Common 200mA load shared across all O/P's) OP1 Dedicated to Low Flow
Comms	IGD Sentinel+ 2-Wire Protocol
Temperature	-5 to 55 Deg C Full Specification.
Humidity	0-95% RH Non-Condensing
Pressure	Samples From Ambient Pressure to 10mBar Depression, Low Flow Indication at 23mBar Depression
Sealing	IP54
Mounting	Wall Mount
Weight	TOC-750S-CO2 (typical) 0.85Kg

Standard Features

Auto Zero / Cal
Constant Flow Monitoring With Low Flow Protocols
1.0 to 1.5L/Min Sample Rate
4 off SSR Outputs



Sample Module Order Codes

Order Code	Description
TOC-750S-CO	Carbon Monoxide Sampler Standard range 0-100ppm
TOC-750S-CO2	Carbon Dioxide Sampler Standard Range 0-5000 ppm
TOC-750S-FIL	Standard End Of Line Filter Assy
TOC-750S-H2	Hydrogen Gas Sampler Standard Range 0-2000ppm
TOC-750S-IRF	Flammable Gas Sampler Standard Range 0-100% LEL
TOC-750S-N2O	Nitrous Oxide Sampler Standard Range 0-1000ppm
TOC-750S-NH3	Ammonia Gas Sampler Standard Range 0-500ppm
TOC-750S-O2	Oxygen Sampler Standard Range 0-25% Vol
TOC-750S-PN1	Luer Lock Thro' Wall Sample Point M20
TOC-750S-TBE	20m Reel Sample Tube 6mm X 4mm Polyurethane
TOC-750S-PN2	Low Maintenance End of Line Filter Assy



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Ref T750S-2



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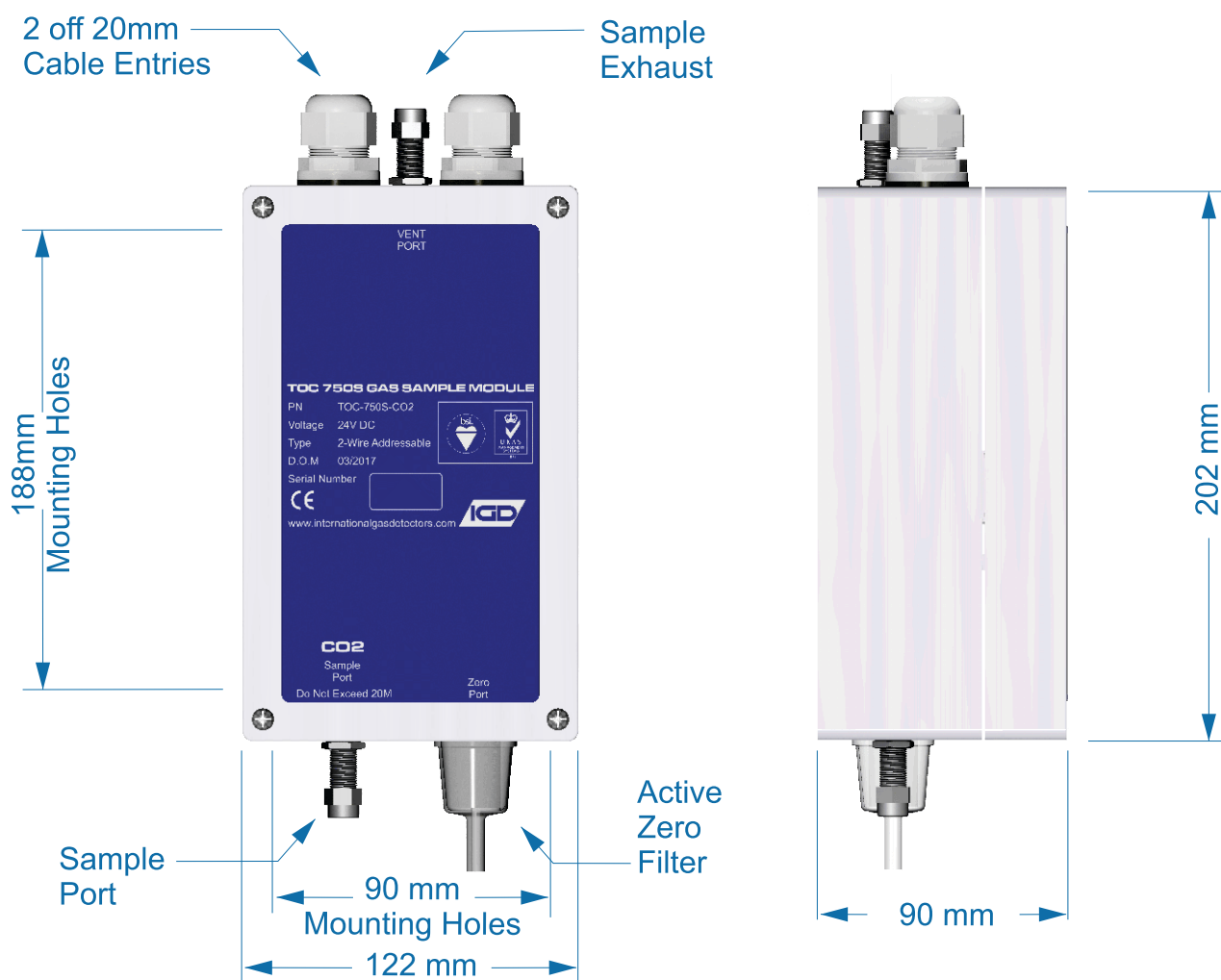
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Physical Details



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EC Declaration of Conformity

Issuers name and address:

Oliver IGD Limited of
Triton House
Crosby St
Stockport, SK2 6SH
United Kingdom

Declares that the product listed as:

TOC-750S

Gas Detection Sampling Modules



Are in conformity with the provisions of the following European Directive(s) when installed, operated, serviced and maintained in accordance with the installation and operating instructions contained in the product documentation.

2004/108/EC**EMC Directive****2006/95/EC****Low Voltage Equipment Directive** (note not applicable to 24V DC Powered Versions)

And that the standards and/or technical specifications referenced below have been applied or considered.

EN 61000-6-2: 2005

EMC Generic standards. Immunity for industrial environments

EN 61000-6-4/A1: 2011

EMC Generic standards. Emission standard for industrial environments

EN 61000-3-2: 2014

EMC Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

EN 61000-3-3: 2013

EMC Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase

Technical File Reference

T750BB-TF9

Oliver IGD Limited Operate and
Independently assessed ATEX/IECEX QAN.

Oliver IGD Limited operate an independently
assessed ISO9001:2008 Quality Management
System.

Testing Agency:

Quality Assurance Certificate Number
ExVeritas 16PQAN0014

Quality Assurance Notification Number:
2585

Quality Management Certificate Number
FS 646773

TUV - SUD
Octagon House
Concorde Way
PO 15 5RL
Fareham



Mehr Sicherheit.
Mehr Wert.

ExVeritas,
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Abenbury Way,
Wrexham Industrial Estate,
Wrexham, UK, LL13 9UZ

BSI Assurance UK LTD,
Chiswick High Road,
London
W4 4AL
UK

TUV Certificates and reports can be checked on-line at https://www.tuev-sued.de/industry_and_consumer_products/certificates
Select Oliver IGD when prompted on the website to view certificates

Issued by: Oliver IGD Limited, Stockport, SK2 6SH, United Kingdom

Signature:

Declaration of Conformity in accordance with EN ISO/IEC 17050-1:2004

Name

Andrew J Collier M.I.O.D

Position:

Managing Director

Date: 10 Jan 2017

Declaration Ref: 750S-JAN-1

**OLIVER IGD**

Ref T750S-2

