

# PRODUCT DATA SHEET

www.internationalgasdetectors.com

**OLIVER IGD**

Control Systems

Transmitters

Sensors

Accessories



## TOC-30 Series Gas Detectors

TOC-30 Series Gas Detectors provide accurate measurement of the background atmosphere to measure for a specific hazardous target gas. Clean lines and easy integration into existing or newly planned control systems make the TOC-30 the safety engineers device of choice. Using the latest microprocessor technology and software TOC-30 is a reliable long term monitoring solution. TOC-30 is supplied pre-calibrated ready to use.

### Features

- Standard 2 Gang Pattress Mount
- Industry Standard 4-20mA Output
- Dado Mount or Wall Mount
- Pre-calibrated
- In-Service Calibration Possible
- Replaceable Sensor

### Standard Specifications

Power	18-28V DC (Loop Powered)
Construction	ABS
Output	4-20mA Linear Output for calibrated gas and range
General Accuracy	+/-2% of Range
Temperature	-5 to 55 Deg C
Humidity	5-95% RH Non-Condensing
Sealing	IP54
Weight	840g

### Order Codes

Gas	Standard Range	Order Code	Typical Cell Life
Carbon Monoxide*	0-100ppm	TOC-30-CO	>5 Years
Carbon Monoxide	0-100ppm	TOC-31-CO	>5 Years
Oxygen	0-30% Vol	TOC-30-O2	>5 Years
Nitric Oxide	0-200ppm	TOC-30-NO	>2 Years
Nitrogen Dioxide	0-20ppm	TOC-30-NO2	>2 Years
Ammonia	0-100ppm	TOC-30-NH3	>2 Years
Chlorine	0-20ppm	TOC-30-CL2	>2 Years
Sulphur Dioxide	0-5ppm	TOC-30-SO2	>2 Years

Other gases and ranges available on request.

TOC-30 is commonly deployed into:

- Schools,
- Universities,
- Laboratories,
- Breweries, bottling plants,
- Fermentation Processes
- HVAC
- Horticulture



\*Legacy version

**IGD**

International Gas Detectors

CH<sub>4</sub> H<sub>2</sub>S CO<sub>2</sub>  
NO NO<sub>2</sub> SO<sub>2</sub>

**OLIVER IGD**

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SK2 6SH  
England

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Website: www.internationalgasdetectors.com



FS646773

REF: TOC-30 v7

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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-30**

4-20mA Output Gas Detector

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**

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

EN 50271:2010

Electrical apparatus for the detection and measurement of combustible gases, toxic gases or Oxygen: requirements and tests for apparatus using software and or digital technologies.  
*Excluding requirements for SIL*

EN 61000-6-2: 2005

EMC Generic standards. Immunity for industrial environments

EN 61000-6-4:2:2007

EMC Generic standards. Emission standard for industrial environments

EN 61000-3-2/A2: 2009

EMC Limits. Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)

EN 61000-3-3: 2008

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

Technical File Reference

T30-TF9

Product Markings



**TOC-30**

SI-serial number

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 Management Certificate Number  
**FS 646773**

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



Quality Assurance Notification Number:  
**2585**

ExVeritas,  
Units 16-18,  
Abenbury Way,  
Wrexham Industrial Estate,  
Wrexham, UK, LL13 9UZ

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

Mehr Sicherheit.  
Mehr Wert.

TUV Certificates and reports can be checked on-line at [https://www.tuev-sued.de/industry\\_and\\_consumer\\_products/certificates](https://www.tuev-sued.de/industry_and_consumer_products/certificates)

Issued on: 10 Feb 2016

At Oliver IGD Limited, Stockport, SK2 6SH, United Kingdom

Signature:

Declaration of Conformity in accordance with EN ISO/IEC 17050-1:2010

Name

Andrew J Collier M.I.O.D

Position:

Managing Director

Date: 10 Feb 2016

Declaration Ref: TOC-30-DEC-2



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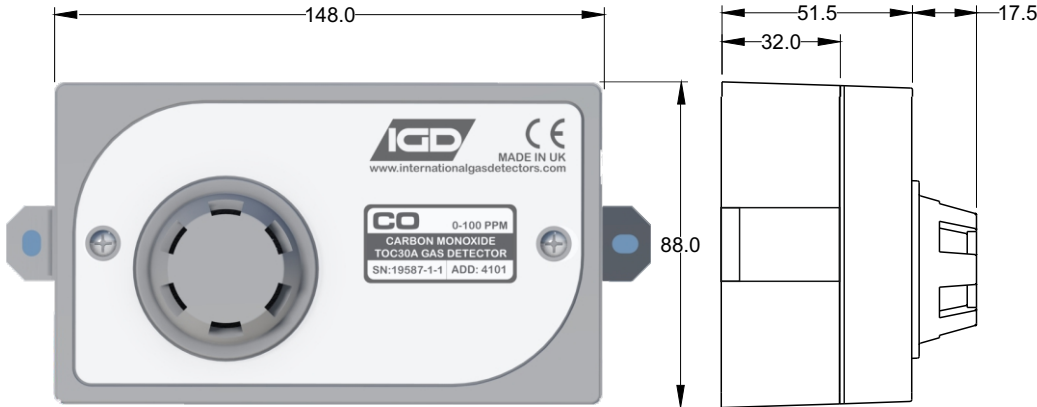
Control Systems

Transmitters

**Sensors**

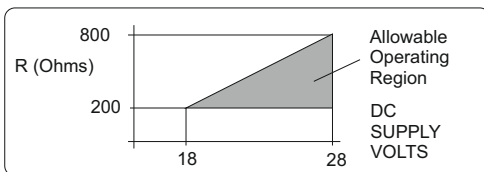
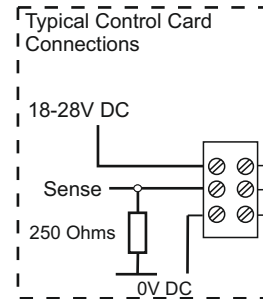
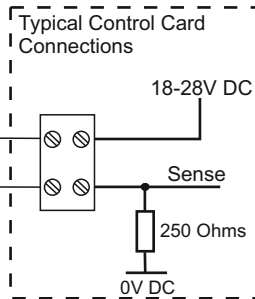
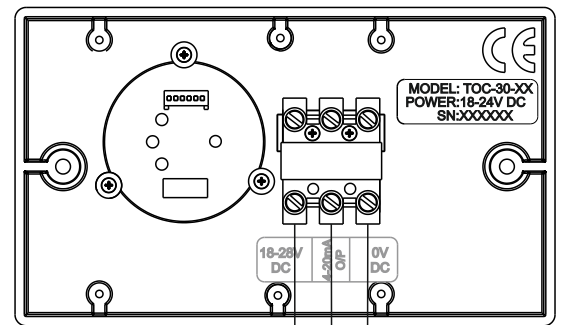
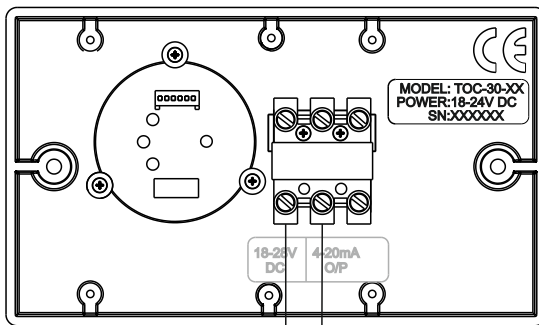
Accessories

## Physical Details



## 2 Wire Loop Powered Connection (Typical for CO,NO,NO2,O2)

## 3 Wire Connection (Typically CO2 Sensors)



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