

PRODUCT DATA SHEET

www.internationalgasdetectors.com

OLIVER IGD

Control Systems

Transmitters

Sensors

Accessories

TOC-31A-PHC Series Gas Detectors

TOC-31A-PHC Gas Detectors provide accurate measurement of the background atmosphere to measure for flammable gas hazards. Clean lines and easy integration into existing or newly planned control systems make the TOC-31A-PHC the safety engineers device of choice. Using the latest microprocessor addressable technology and software TOC-31A-PHC is a reliable long term monitoring solution.

TOC-31A-PHC is supplied pre-calibrated ready to use and includes both Addressable and Analogue 4-20mA Interfaces.

TOC-31A-PHC is supplied with IGD's MK6 pellistors, a seperable detector with an M22 thread for easy mounting into ducting and containment.

TOC-31A-PHC Interfaces to All IGD Detection Systems

- Capable of detecting almost all flammable gases and vapours
- Capable of performing more reliably in dusty or dirty environments that would soil the optics of an infra-red detector
- Not significantly affected by pressure changes
- Can detect Hydrogen which is 'invisible' to Infra-Red
- Less sensitive to humidity
- Capable of performing more reliably in high temperature applications
- Generally cheaper than Infra-Red
- Well characterised meaning one calibration gas can be used to cross calibrate for others

6 Standard 20mm
Gland Entry Knockouts

External Mountings
Allow First Fit without
Opening Housing

IP Rated Seals
Effective Protection
From Moisture and
dust ingress

Advanced
Pellistor
Technology



MK6 Pellistor Sensor
Metal Housing With
Sinter Protection
M22 Thread Ideal For
Integration to Double
Containment Pipework
And Duct Systems

IGD

International Gas Detectors

CH₄ H₂S CO₂
NO₂ SO₂ NO₂ CO

OLIVER IGD

Triton House
Crosby Street
Stockport
SK2 6TS
England

Tel: +44 (0)161 483 1415

Fax: +44 (0) 161 484 2345

Email: sales@internationalgasdetectors.com

Website: www.internationalgasdetectors.com



FS646773
REF: T31A-V2

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Control Systems

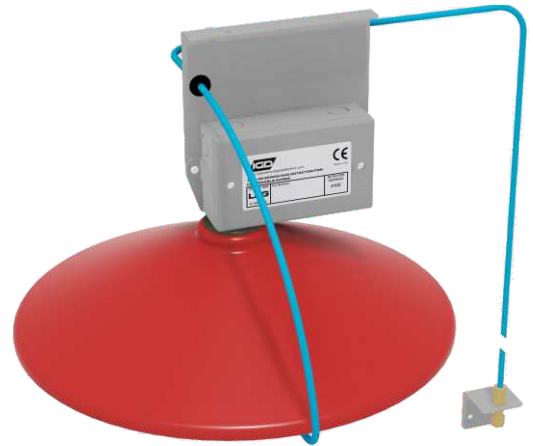
Transmitters

Sensors

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Standard Specifications

Power	18-28V DC (Loop Powered)
Construction	ABS
Output	4 Wire Addressable
	3 Wire 4-20mA
General Accuracy	+/-2% of Range
T90 Response Time	-5 to 55 Deg C
Temperature	5-95% RH Non-Condensing
Humidity	IP54
Sealing	425g
Weight	

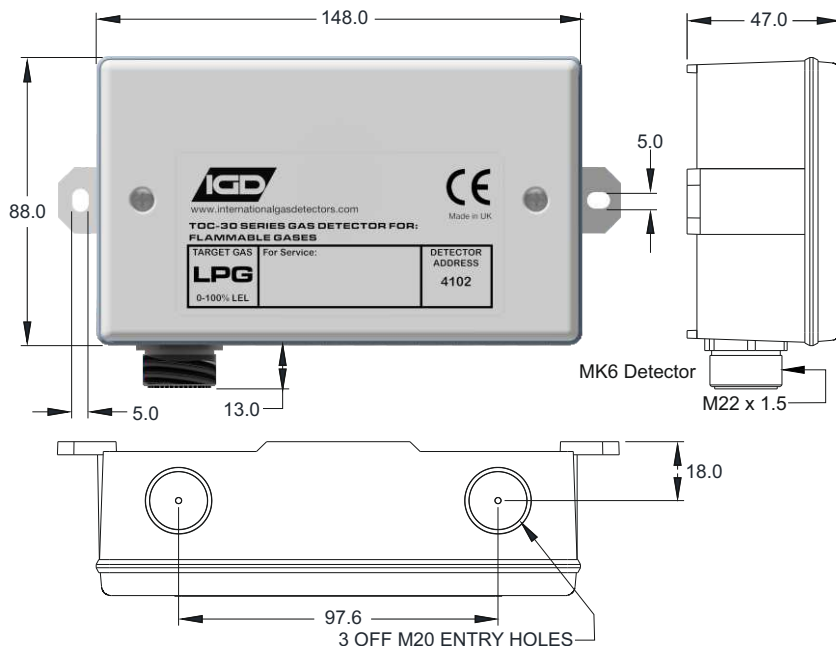


Detector Fitted with gas collector cone and remote gassing facility

Accessory Order Codes

Gas Collector Cone	5138801
Ceiling Mount Kit (TOC-31A-PHC)	50006601
Remote Gassing Kit	5110101
Cal Gas Adaptor (TOC31A)	4011109
Splashguard (TOC31A)	5138701

Physical Size TOC-31A Version



Typical Applications

- Commercial Kitchens
- Laboratories Classrooms
- Plant Rooms
- HVAC Applications
- Pipeline Monitoring
- Hotels
- Residences
- Battery Charging Stations



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Issuers name and address:

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

EC Declaration of Conformity



Declares that the product listed as:

TOC-31A-PHC

Addressable or Analogue Flammable 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
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 61779-1:2000 Electrical apparatus for the detection and measurement of flammable gases, general requirements and test methods.

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: 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 ≤ 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 ≤ 16 A per phase

Technical File Reference T30-TF9

Product Markings **TOC-31A-PHC** 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:

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



Mehr Sicherheit.
Mehr Wert.

Quality Assurance Certificate Number
ExVeritas 16PQAN0014

Quality Management Certificate Number
FS 646773

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

TUV Certificates and reports can be checked on-line at https://www.tuev-sued.de/industry_and_consumer_products/certificates

Issued by: Oliver IGD Limited, Stockport, SK2 6TS, 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: 4th April 2016

Declaration Ref: TOC-31A-DEC-2



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