

solution. TOC-20 is supplied pre-calibrated ready to use.

Standard Specific	ations	Fasturas		
Power Construction Outputs	18-28V DC (230V AC Adaptor Supplied) ABS 3 off 4-20mA or 0-10V Linear Outputs for Refrigerant, Modbus RTU Interface 2 off SPCO Relays Rated 4A Non Inductive 85dB Alarm Sounder	Features Multi-Colour RGB LCD Display Backlight Industry Standard 4-20mA/0-10V Outputs Two Alarm Relay Outputs Modbus Interface User Configurable Alarms Wall Mount		
Operating Environment Sealing	-5 to 55 Deg C 5-95% RH Non-Condensing IP64 (Excluding Sensor)	Supplied Pre-calibrated In-Service Calibration Possible Sensors are Dust & Splash Resistant Case Sealed to IP64		
Measuring Ranges	Refrigerants Typically 0-1000ppm, Resolution 10ppm, Accuracy +/-5% of Range	TOC-20 is commonly deployed into: Refrigeration Plant Rooms		
Package Size Weight	180mm X 100mm X 75mm (See Dimension Drawing) 375g	Cold Storage Depots Supermarket Cold Storage Air Conditioning		



OLIVER GD

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Crosby Street

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	EC Decl					
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Crosby St, Stockport, United Kingdom		J				ector with display
United Kingdom	rovisions of the falls		Directive (a) when	installed ana	atod convised	l and maintained
Are in conformity with the p in accordance with the insta						and maintained
2004/108/EC EMC Di 2006/95/EC Low Vo	rective Itage Equipment D	irective (note r	not applicable to 2	4V DC Powere	ed Versions)	
And that the standards and	/or technical specific	cations reference	ed below have be	en applied or c	onsidered.	
EN 61779-1:2000	Electrical appara requirements and		tion and measure	ement of flamm	able gases, ge	eneral
EN 50271:2010		nents and tests	ction and measure for apparatus usir			
EN 61000-6-2: 2005 EN 61000-6-4: 2007 EN 61000-3-2/A2:2009 EN 61000-3-3: 2008	EMC Generic standards. Immunity for industrial environments EMC Generic standards. Emission standard for industrial environments EMC Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) 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	T20-TF9					
Product Markings	TOC-20		S/-seria	al number		
Oliver IGD Limited Operate a Independently assessed ATE			ited operate an in 001:2008 Quality		Testing Agen	icy:
Quality Assurance Certif ExVeritas 16PQA			System.		Octagon Hou Concorde W	
Quality Assurance Notific	ation Number:	Quality Mana	agement Certificat FS 646773	e Number	PO 15 5RL Fareham	
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TUV Certificates and reports of	U can be checked on-lir		tuev-sued.de/industr	y_and_consume	_products/certifi	<u>cates</u>
Issued on: June2016	At Olive	er IGD Limited	, Stockport, SK2	2 6SH , United	d Kingdom	
Signature:		Declarat	ion of Conformity	in accordance	with EN ISO/II	EC 17050-1:2010
Name	-	Andrew	J Collier M.I.O.D			
Position: Managing	Director	Date:	June 2016	Declaratio	n Ref: TOC-20	DEC-3
International Gas Detectors	Triton Hous Crosby Stre Stockport SK2 6SH England	e		Tel: +44 (0)16 Fax: +44 (0) 16 nternationalgasdet nternationalgasdet	1 484 2345 ectors.com	bsi. UKAS UKAS Withey 003 FS646773 REF: T20R-V6



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Notes

To comply with the requirements of EN378 and the F GAS regulation sensors must be tested annually.

Local regulations may specify the nature and frequency of this test. If not contact IGD for details

After exposure to a substantial gas leak, sensor should be checked and replaced if necessary.



Summary of Refrigerants and Suitable Gas Detector Models

Refrigerant	Group/Name	Heavier or Lighter Than Air	Gas Detector Model
R 717 R 290 R 600 R 22 R 401A R 401B R 408A R 409A R 134A R 409A R 134A R 404A R 416A R 507 R 410A R 411A	Ammonia NH3 Propane C3H8 Propane C3H8 HCFC HCFC HCFC HCFC HFC HFC HFC HFC HFC	Lighter Heavier Heavier Heavier Heavier Heavier Heavier = Heavier Heavier Heavier Heavier Heavier Heavier Heavier	TOC-30-NH3 or TOC-30A-NH3 TOC-31A-PHC TOC-31A-PHC T20-HCFC-2000 T20-HCFC-2000 T20-HCFC-2000 T20-HCFC-2000 T20-HCFC-2000 T20-HFC-2000 T20-HFC-2000 T20-HFC-2000 T20-HFC-2000 T20-HFC-2000 T20-HFC-2000



ATEX Version Gas Detectors, Gas Sampling Units, System Controllers and Bespoke Solutions Are Available. See our Website at <u>www.internationalgasdetectors.com</u> for more details or call for advice.





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