

DATA SHEET



TOCSIN 501 SINGLE CHANNEL HAZARDOUS GAS DETECTION SAMPLING SYSTEM.

Designed to provide a cost effective solution for gas monitoring applications requiring only a single point sampling monitoring system the Tocsin 501 is one of the latest development from IGD to join the established Tocsin monitor range.

The Tocsin 501 uses the latest surface mount microprocessor technology for maximum reliability. The system boasts a range of interfaces to external data collection systems normally only associated with much larger installations.

The Tocsin 501 is designed to interface to the full range of IGD gas sensors giving maximum flexibility.

SPECIFICATION

Power Supply	230 or 110V AC Options
Temperature	0 - 55°C
Humidity	5 - 95% RH Non Condensing
Available Gases	See Table of Options
Accuracy	+/- 2% of FSD
Resolution	1% of FSD
Outputs	4-20mA (Max. 900) 1 - 5V, 1 - 10V Alarm 1, Alarm 2, Fault SPCO Relays 7A @ 240VAC Resistive Audible Alarm- 94db @ 100mm RS485 - Multidrop Addressable As An Option
Inputs	Pellistor, 4-20mA
Display	4 digit RED LED, 14mm height
Response Time	T90 = 10s Excluding External Sample Lines
Sample Line	Max 15M ¼" OD x 3/16" Bore
Size	W=180 x L=360 x H=130mm
Weight	4.3 Kg

FEATURES

Software Controlled
Software upgradable via serial port
Software fault detection and recovery
Digital transducer Filter (to remove noise)
Alarms Include spike / noise rejection algorithm
Under voltage detection and recovery
One Man Calibration
Full Pellistor fault detection - Compensator/Detector short/open, Operating current
Cell / Pellistor Expired indication
No Manual Potentiometers - All calibrations and set-up stored digitally
Set-up and Calibrations password protected
Programmable Pellistor operating current
Programmable transducer range
Diagnostic Information
Fully controllable via serial port - Gas values, Diagnostics, Calibrations, Set-up
Configurable alarms - Rising / Falling / Latching / Non-Latching
Simple one button operation

WITHUS

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Oliver IGD Limited reserve the right to amend specifications without prior notice

Ref ROS23

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