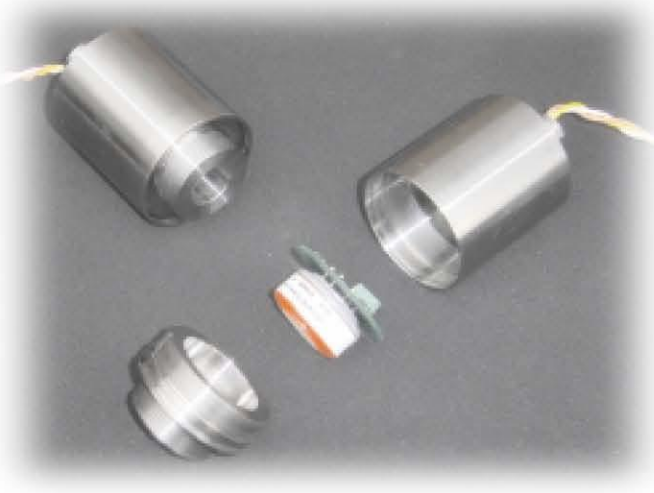


## DATA SHEET

### TOCSIN 102 4-20mA HAZARDOUS GAS TRANSMITTER MODULE



The Tocsin 102 series of gas detectors are ATEX approved sensors which incorporate micro processor technology to give a stable 4-20mA process signal. The in built processor can be used to pre-calibrate the sensor prior to installation. Once in use the sensor can be accessed using a serial data port for calibration and diagnostics.

A variety of sensor options and technologies can be Accomodated. The accompanying table shows the range of available measurands.

The Tocsin 102 is designed to interface to the full range of IGD control panels giving maximum flexibility. Alternatley the Tocsin 102 signal can be interfaced directly into control and BMS systems.

#### SPECIFICATION

Power Supply	Loop Powered 12-32V DC (20mA)
Temperature	-40 – 85°C
Humidity	5 – 95% RH Non Condensing
Accuracy	Sensor Dependant
Resolution	Sensor Dependant
Outputs	4-20mA (Max. 1000 @ 32V)
Inputs	EC Cell, Pellistor ,IR
Zero Drift	Sensor Dependant Generally better than 2%FSD per month
Span Drift	Better than 3% FSD per month application dependant
Size	50mm Dia 80mm Long M20 x 1.75 Mounting Thread
Weight	550g

#### List of Available Measurands

Gas	Minimum Range	Maximum Range
Carbon Monoxide	0-100ppm	0-1000ppm
Ammonia	0-100ppm	0-500ppm
Hydrogen	0-2%	0-10%
Nitric Oxide	0-50ppm	0-250ppm
Oxygen	0-5%	0-35%
Chlorine	0-5ppm	0-50ppm
Hydrogen Sulphide	0-25ppm	0-250ppm
Sulphur Dioxide	0-10ppm	0-50ppm
Nitrogen Dioxide	0-10ppm	0-50ppm
Ozone	0-1ppm	0-5ppm
Hydrogen Cyanide	0-50ppm	0-200ppm
Hydrogen Chloride	0-50ppm	0-200ppm

#### WITHUS

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