GASTRONICS
True Wireless® Gas Detection Technology

Corporate 23660 Miles Road, #110 • Cleveland, OH 44128
Office: 216-662-4899 • FAX: 216-662-4999

Sales 75 Marine Street • Saint Augustine, FL 32084
Office: 832-948-9056

www.gastronics.com

Model TR Series Gas Detector

Introduction

TR Series transmitters by Gastronics, Inc. are designed to measure gases using electrochemical and infrared sensors from a variety of industry leading manufacturers to ensure versatility, quality, and performance. Our sensors are selected based on their superior stability in the presence of changes in temperature and humidity, longevity, response time, chemical selectivity, fast warm-up time, and alertness.

Key Features

- All Transmitters are housed in a compact, light weight, aluminum enclosure with a 316 stainless steel flame arrester.
- Independent Zero and Span
- Haz-loc Certified for Class I, Division 1, Gr. CD
- Available for both Toxic Gas Sensors and Combustible / CO2 Sensors

Key Benefits

- Fast Warm-Up Time
- Robust construction, ideal for harsh environments
- Low Cost, Economical
- Compact Size

NO.	REVISION	BY	DATE

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MODEL
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SCALE	DWG.	REV.
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Model TR Technical Specification

MAIN ENCLOSURE:	Aluminum
ENCLOSURE DIMENSIONS:	3.5”
MOUNTING OPTIONS:	U Bolt Bolt
DISPLAY:	N/A
MENU:	N/A
SENSOR INPUT OPTIONS:	Infrared, Catalytic and Electrochemical
SAMPLING METHOD:	Diffusion
CALIBRATION:	Zero and Span Potentiometers
STANDARD ON BOARD I/O:	4-20mA Output, 2-Wire Toxics, 3-Wire Combustible & CO2
INPUT VOLTAGE:	10-28VDC
NOMINAL CURRENT DRAW:	85mA Max
OPERATING TEMPERATURE:	-40°C to 65°C
OPTIONAL RELAY BOARD:	N/A
CERTIFICATIONS:	UL Class I, Division 1, Gr. CD, Temp: T5, Nema-4X
***WARRANTY:**	One Year - See details in Gastronics’ warranty statement.

Model TR Sensor Specification

SENSOR LIST	RANGE	OP TEMP	OP RH NC	T90 no FA	T90 w/FA	Exp. Life	Warranty
LEL - Catalytic	0-100% LEL	-40 to 60C	15 to 90%	<30 sec	<50 sec	36 mos	18 mos
NH3 - EIChem	0-100 ppm	-40 to 40C	15 to 90%	<60 sec	<90 sec	>24 mos	12 mos
CO - EIChem	0-100 ppm	-20 to 50C	15 to 90%	<30 sec	<50 sec	48 mos	24 mos
CO2 - Infrared	0.00-5.00%	-20 to 60C	0 to 95%	<30 sec	<50 sec	60 mos	24 mos
H2S - EIChem	0-100 ppm	-40 to 65C	10 to 95%	<30 sec	<60 sec	48 mos	24 mos
LEL - Infrared	0-100% LEL	-20 to 65C	15 to 95%	<30 sec	<50 sec	60 mos	24 mos
SO2 - EIChem	0.0-20.0 ppm	-20 to 50C	15 to 90%	<25 sec	<50 sec	24 mos	12 mos
NO - EIChem	0-100 ppm	-20 to 40C	20 to 90%	<30 sec	<50 sec	>24 mos	12 mos
NO2 - EIChem	0.0-20.0 ppm	-15 to 40C	15 to 90%	<20 sec	<45 sec	>24 mos	12 mos

Specifications subject to change without notice.

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