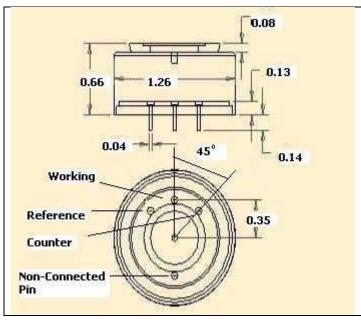
Transducer Technology Division

8440 Central Ave, Suite# 2C, Newark, CA-94560 510-791-0951 support@transducertech.com

INNOVATIVE SENSORS. CREATIVE SOLUTIONS

R Series Carbon Monoxide Sensor - RCO1000LRH/RCO1000LRHF



	Mechanical Specifications	
	Dimensions	All dimensions are in Inches.
	Weight	Approximately 10 gram
	Material	Polypropylene (body)
	Electrolyte	Acid
	Connections	Gold Plated Pin
	Gas Supply	Diffusion through porous membrane

Important Note: Connection should be made via PCB sockets only. Soldering to the pins will render your warranty void.

Measuring range	0-1000 PPM
Measuring Principle	Electrochemical Oxidation of CO
Onboard Filter (For RCO1000LRHF	
only)	To remove SOx, NOx & H2S
Working Electrode Potential	Not required
Output Signal, Zero, 25 °C	< ± 5 ppm equivalent maximum
Output Signal, Span, 25 °C	$0.10 \pm 0.02 \mu\text{A}$ / PPM
Lower Detection Limit	< 0.5 PPM (depends on circuitry)
Resolution	± 0.5 PPM (depends on circuitry)
Repeatability	1% of Signal
Output Linearity	Linear
Response Time (t-90)	< 30s typical at 20° C
Stabilization time	15 minutes (first installed in a circuit); thereafter < 30 sec.
Long Term Drift – Span	Output Signal ≤ ± 2% of reading per month
Maximum Zero Shift	< 8 ppm equivalent (-20°C to +40°C)
Operating Temperature	-20 to 50°C (0 – 35°C recommended)
Operating Pressure Range	1.0 ± 0.2 atm (recommended)
Operating Humidity Range	3 to 60% RH
Estimated Service Life	> 2 Years
Storage Temperature	22° C Recommended
Storage Pressure	1.0 ± 0.2 atm Recommended
Storage Humidity Range	10 to 15% RH Recommended
Storage Life	1 year in sealed package
Warranty	One year (extended warranty available)

Contact TTI for application information. TTI reserves the right to alter design features and specifications without notice.