

Distributed By:

Please contact AirTest or your distributor if you need to measure a gas not listed or need a different measurement range.

**Gas Sensor Selection Guide**



**Ordering Information**

Model	TR1000	TR2000	TR3200	TR5200	TR5500
<b>Input Power</b>	(DC) 12-30 VDC (AC) 24 VAC	(DC) 12-30 VDC	(DC) 12-30 VDC	(DC) 12-30 VDC	(DC) 12-30 VDC
<b>Gas Measured</b>	(CO) Carbon Monoxide 0-400 ppm (CB) Combustibles 0-1% by volume (R22) R-22, 0-500 ppm R-134(a) 0-3,000 ppm (R26) Ammonia 0-100 ppm	(CO) Carbon Monoxide 0-200 ppm	(CO) Carbon Monoxide 0-200 ppm (NO <sub>2</sub> ) Nitrogen Dioxide 0-10 ppm (H <sub>2</sub> ) Hydrogen 0-10,000 ppm (Cl <sub>2</sub> ) Chlorine 0-5 ppm (O <sub>2</sub> ) Oxygen 0-25% (H <sub>2</sub> S) Hydrogen Sulfide 0-200 ppm (NH <sub>3</sub> ) Ammonia 0-50 ppm	(CB) Combustibles 0-100% LEL - Propane - Butane - Methane/Natural Gas - Hydrogen	(CB) Combustibles 0-100% LEL - Propane - Butane - Methane/Natural Gas - Hydrogen
<b>Specify</b>	Specify Low & High Alarm Self-Point Concentrations		Specify Gas To Be Measured	Specify Gas To Be Measured	(EX) Explosion Proof Specify Gas To Be Measured

**Technical Information**

Measurement Technology	(SS) Solid State (MOS)	(E) Electrochemical	(E) Electrochemical	(CB) Catalytic Bead	(CB) Catalytic Bead
<b>Output Signal</b>	4-20 mA	4-20 mA	4-20 mA	4-20 mA	4-20 mA
<b>Typical Life</b>	up to 10 years	5 years	12 to 24 months	up to 10 years	up to 10 Years
<b>Features &amp; Characteristics</b>	<ul style="list-style-type: none"> <li>Economical</li> <li>Non Linear Output</li> <li>Cross Sensitive To Other Gases</li> </ul>	<ul style="list-style-type: none"> <li>Economical As Solid State</li> <li>Linear Output</li> <li>Specific/High Accuracy</li> <li>Install In Any J Box</li> </ul>	<ul style="list-style-type: none"> <li>High Accuracy</li> <li>Linear Output</li> <li>Gas Specific</li> </ul>	<ul style="list-style-type: none"> <li>High Accuracy</li> <li>Linear Output</li> <li>Cost Effective for Non-Classified Areas</li> </ul>	<ul style="list-style-type: none"> <li>High Accuracy</li> <li>Linear Output</li> <li>Explosion Proof Enclosure</li> </ul>
<b>Typical Applications</b>	CO Enclosed Parking Garages Vehicle Repair Facilities Mail & Courier Depots Propane Forklift Areas Manufacturing Facilities Boiler Rooms Ice Rinks Fire Halls Ref Chiller/Mechanical Rooms CB See Catalytic Bead →	CO Enclosed Parking Garages Vehicle Repair Facilities Mail & Courier Depots Propane Forklift Areas Manufacturing Facilities Boiler Rooms Ice Rinks Fire Halls	NO <sub>2</sub> Parking Structures Loading Docks (Diesel) Diesel Repairs Facilities Manufacturing Facilities Battery Charging/Storage H <sub>2</sub> Water Treatment H <sub>2</sub> S Water Treatment O <sub>2</sub> Inert Gas Storage MRI Rooms NH <sub>3</sub> Cold Storage/Refrigeration	CB Parking Structures Propane Storage Facilities Manufacturing Facilities Boiler Rooms Propane Forklift Areas Landfill Sites Combustible Storage Battery Charging/Storage Non-Classified Areas	CB Propane Storage Facilities Manufacturing Facilities Combustible Storage Class 1, Div 1 Areas

**Carbon Dioxide, Temperature & Humidity/Dew Point Products**

Hand Held Monitors	Building Ventilation & Environmental Control	Health & Safety	Agricultural	Incubator/Research	OEM Applications
<ul style="list-style-type: none"> <li>With Data Logging</li> <li>cm/psenon display</li> <li>TWA calculation</li> <li>Temp &amp; Humidity</li> </ul> 	<ul style="list-style-type: none"> <li>Transmitters</li> <li>With Temp &amp; Humidity</li> <li>VAV Controllers</li> <li>CO<sub>2</sub> Setback Thermostat</li> </ul> 	<ul style="list-style-type: none"> <li>Bulk CO<sub>2</sub> Storage</li> <li>Wineries/Breweries</li> <li>Food Processing</li> <li>Manufacturing</li> </ul> 	<ul style="list-style-type: none"> <li>Greenhouses</li> <li>Mushrooms</li> <li>Poultry Hatching</li> <li>Confined Livestock</li> </ul> 	<ul style="list-style-type: none"> <li>High Concentrations</li> <li>Biological Incubators</li> <li>Biological Research</li> </ul> 	<ul style="list-style-type: none"> <li>Custom designed products with control capability.</li> <li>Call to discuss your needs.</li> </ul>

See Over For AirTest Gas Controller Options

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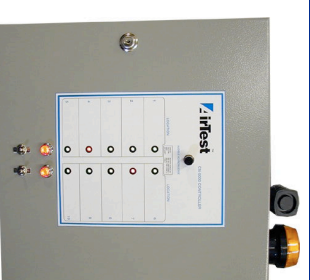
## Gas Controller Selection Guide



Integrated SS



Use With Transmitters



Model	CT1000	CT2100	CN9000
<b>Sensor Type</b>	Select Transmitter Or Integrated Solid State <ul style="list-style-type: none"> <li>Solid State - Integrated (SS) or TR1000</li> <li>Electrochemical select TR200 or TR3200</li> <li>Catalytic Bead select TR5200 or TR5500</li> <li>Infrared CO<sub>2</sub> select TR9200</li> </ul>	Select 2 Gas Sensors Using Transmitter Or Integrated Solid State <ul style="list-style-type: none"> <li>Solid State - Integrated (SS) or TR1000</li> <li>Electrochemical select TR200 or TR3200</li> <li>Catalytic Bead select TR5200 or TR5500</li> <li>Infrared CO<sub>2</sub> select TR9200</li> </ul>	<ul style="list-style-type: none"> <li>Will work with all Transmitters</li> </ul>
<b>Input Power</b>	(24 VAC) (115 VAC) (240 VAC)	(24 VAC) (115 VAC) (240 VAC)	(24 VAC) (115 VAC) (240 VAC)
<b>Select Gas(s) To Be Measured</b>	See Gases Measured in Gas Transmitter Selection Guide	See Gases Measured in Gas Transmitter Selection Guide:	See Gases Measured in Gas Transmitter Selection Guide. Can be designed from 3 to 200 inputs or more.
<b>Options</b>	(HAC) Remote horn alarm center (SL-AC) Remote strobe alarm center (HSL-AC) Remote horn & strobe alarm center.	(H-S) Horn mounted on CT2100 (SL-S) Strobe mounted on CT2100 (HSL-S) Horn & strobe mounted on CT2100. (HAC) Remote horn alarm center (SL-AC) Remote strobe alarm center (HSL-AC) Remote horn & strobe alarm center.	List requirements for customized design. Possible Custom Components include: displays, a variety of outputs (inputs, analog, digital), custom control schemes and sequence of operation. Contact AirTest for assistance.
<b>Relays: Specify Low and High Trip Points (TP)</b>	TP1 Low trip point concentration TP2 High trip point concentration	Gas 1 Low trip point measurement value High trip point measurement value Gas 2 Low trip point measurement value High trip point measurement value Fault Alarm Trip Point	Can provide a variety of outputs based on need including relay, analog, or digital signal. Specify control requirements.
<b>Technical Information</b>	Timer On Low Trip Point(s) Up to 30 min delay on-time, adjustable in 2 minute increments.		
<b>Relay Ratings</b>	2 x 5 Amp		
<b>Features</b>	<ul style="list-style-type: none"> <li>Low Cost Control Solution</li> <li>Possible to Parallel Wire A Number of Controllers</li> <li>Line Voltage or 24 VAC</li> <li>Time Delay</li> </ul>	<ul style="list-style-type: none"> <li>Low Cost Control Solution</li> <li>Possible to Parallel Wire A Number of Controllers</li> <li>Line Voltage or 24 VAC</li> <li>Time Delay</li> <li>Choice Of A Variety Of Sensors</li> </ul>	<ul style="list-style-type: none"> <li>Highly Flexible Platform</li> <li>Variety Of Control And Interface Options</li> <li>Designed To Customer's Specifications</li> <li>For Large Applications</li> </ul>

See Over For AirTest Gas Sensors/Transmitters

Please visit the AirTest Website for further information on all our products: [www.airtesttechnologies.com](http://www.airtesttechnologies.com)

Specifications Subject To Change Without Notice

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