

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
Input Power	(DC) 12-30 VDC (AC) 24 VAC	(DC) 12-30 VDC	(DC) 12-30 VDC	(DC) 12-30 VDC	(DC) 12-30 VDC
Gas Measured	(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 ₂) Nitrogen Dioxide 0-10 ppm (H ₂) Hydrogen 0-10,000 ppm (Cl ₂) Chlorine 0-5 ppm (O ₂) Oxygen 0-25% (H ₂ S) Hydrogen Sulfide 0-200 ppm (NH ₃) 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
Specify	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
Output Signal	4-20 mA	4-20 mA	4-20 mA	4-20 mA	4-20 mA
Typical Life	up to 10 years	5 years	12 to 24 months	up to 10 years	up to 10 Years
Features & Characteristics	<ul style="list-style-type: none"> Economical Non Linear Output Cross Sensitive To Other Gases 	<ul style="list-style-type: none"> Economical As Solid State Linear Output Specific/High Accuracy Install In Any J Box 	<ul style="list-style-type: none"> High Accuracy Linear Output Gas Specific 	<ul style="list-style-type: none"> High Accuracy Linear Output Cost Effective for Non-Classified Areas 	<ul style="list-style-type: none"> High Accuracy Linear Output Explosion Proof Enclosure
Typical Applications	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 ₂ Parking Structures Loading Docks (Diesel) Diesel Repairs Facilities Manufacturing Facilities Battery Charging/Storage H ₂ Water Treatment Cl ₂ H ₂ S Water Treatment O ₂ Inert Gas Storage MRI Rooms NH ₃ 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

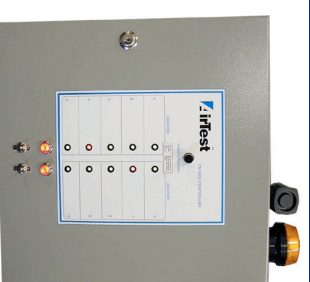
Hand Held Monitors	Building Ventilation & Environmental Control	Health & Safety	Agricultural	Incubator/Research	OEM Applications
<ul style="list-style-type: none"> With Data Logging cm/psenon display TWA calculation Temp & Humidity 	<ul style="list-style-type: none"> Transmitters With Temp & Humidity VAV Controllers CO₂ Setback Thermostat 	<ul style="list-style-type: none"> Bulk CO₂ Storage Wineries/Breweries Food Processing Manufacturing 	<ul style="list-style-type: none"> Greenhouses Mushrooms Poultry Hatching Confined Livestock 	<ul style="list-style-type: none"> High Concentrations Biological Incubators Biological Research 	<ul style="list-style-type: none"> Custom designed products with control capability. Call to discuss your needs.

See Over For AirTest Gas Controller Options

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Gas Controller Selection Guide



Integrated SS

Use With Transmitters

Single Channel Controller

Dual Channel Controller

Customizable Multiple Point Controller

Ordering Information

Model	CT1000	CT2100	CN9000
Sensor Type	Select Transmitter Or Integrated Solid State <ul style="list-style-type: none"> Solid State - Integrated (SS) or TR1000 Electrochemical select TR200 or TR3200 Catalytic Bead select TR5200 or TR5500 Infrared CO₂ select TR9200 	Select 2 Gas Sensors Using Transmitter Or Integrated Solid State <ul style="list-style-type: none"> Solid State - Integrated (SS) or TR1000 Electrochemical select TR200 or TR3200 Catalytic Bead select TR5200 or TR5500 Infrared CO₂ select TR9200 	<ul style="list-style-type: none"> Will work with all Transmitters
Input Power	(24 VAC) (115 VAC) (240 VAC)	(24 VAC) (115 VAC) (240 VAC)	(24 VAC) (115 VAC) (240 VAC)
Select Gas(s) To Be Measured	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.
Options	(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.
Relays: Specify Low and High Trip Points (TP)	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.
Technical Information	Timer On Low Trip Point(s) Up to 30 min delay on-time, adjustable in 2 minute increments.		
Relay Ratings	2 x 5 Amp		
Features	<ul style="list-style-type: none"> Low Cost Control Solution Possible to Parallel Wire A Number of Controllers Line Voltage or 24 VAC Time Delay 	<ul style="list-style-type: none"> Low Cost Control Solution Possible to Parallel Wire A Number of Controllers Line Voltage or 24 VAC Time Delay Choice Of A Variety Of Sensors 	<ul style="list-style-type: none"> Highly Flexible Platform Variety Of Control And Interface Options Designed To Customer's Specifications For Large Applications

See Over For AirTest Gas Sensors/Transmitters

Please visit the AirTest Website for further information on all our products: www.airtesttechnologies.com

Specifications Subject To Change Without Notice

10/29/02