

# Series CA-6000 CA-CALC™ Single Gas Monitors

*TSI's Series CA-6000 CA-CALC portable single gas monitors are ideal for service technicians and safety inspectors to verify the safe operation of furnaces, boilers and gas appliances. Critical exhaust gas concentrations can be checked on residential to light commercial systems as part of preventative maintenance. O<sub>2</sub>, CO, CO (High Range), NO, NO<sub>2</sub> and SO<sub>2</sub> options are available.*

### Features

- Industry-leading service
- Large display and intuitive operation
- Real-time data
- 10-hour battery life lowers operating costs
- Automatic baseline calibration of sensors
- Recalibrates easily for critical safety checks
- Quick new sensor installation
- Heavy-duty pump designed for field service
- Advanced sample probe reduces NO<sub>2</sub> and SO<sub>2</sub> loss



### Applications

- Verify optimum burner performance and safe operation on boilers, furnaces and appliances
- Check CO safety of appliances and buildings
- Monitor NO<sub>2</sub> safety
- Monitor emissions gases
- Supplement preventative maintenance
- Verify oxygen trim systems are operating correctly
- Check low NO<sub>x</sub> and SO<sub>2</sub> controls

### Models available for:

- Boiler/Furnace Maintenance Companies
- Building Contractors
- Commercial Boiler Owners
- Boiler Manufacturers
- Plant Engineers
- Home Inspectors
- Environmental Consultants
- School and Office Maintenance Staff
- Utility Companies

## Series CA-6000 CA-CALC Single Gas Monitors

### Specifications

#### Sensors:

##### Carbon Monoxide (CO)\*:

Range: 0 to 2,000 ppm  
Resolution: 1 ppm

##### Oxygen (O<sub>2</sub>)\*:

Range: 0 to 25%  
Resolution: 0.1% O<sub>2</sub>

##### Carbon Monoxide (CO)—High Range\*\*:

Range (CA-6060): 0 to 2% (10,000 ppm=1%)  
Range (CA-6070): 0 to 8%  
Resolution: 5 ppm

##### Nitric Oxide (NO)\*:

Range: 0 to 4,000 ppm  
Resolution: 1 ppm

##### Sulfur Dioxide (SO<sub>2</sub>)\*:

Range: 0 to 4,000 ppm  
Resolution: 1 ppm

##### Nitrogen Dioxide (NO<sub>2</sub>)\*:

Range: 0 to 500 ppm  
Resolution: 0.1 ppm

#### Operating Conditions:

##### Instrument Temperature Range:

Operating range: 32 to 113°F (0 to 45°C)  
Storage range: -20 to 122°F (-30 to 50°C)

##### Instrument Humidity Range:

Continuous: 15 to 90% non-condensing  
Intermittent: 0 to 99%

##### Maximum Flue Gas Probe Temperature:

Continuous: 1,292°F (700°C) (handle shielded)

\* Electrochemical sensor

\*\* Nitric oxide sensor model only

Specifications are subject to change without notice.

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#### General Data:

##### Instrument:

External dimensions: 4.5 × 7.5 × 2.5 in. (11.4 × 19.1 × 6.4 cm)  
Weight: 1.2 lbs/1.4 lbs with probe (0.54/0.64 kg)  
Display: LCD

##### Pump:

Flow Rate: Nominal 0.8 lpm  
Maximum Flue Pressure: ±30 in. H<sub>2</sub>O (±80 mBar)

##### Standard Flue Gas Sampling Probe:

Probe/Hose Material: Stainless steel/Norprene®  
Probe Length: 12 in. std (30 cm)  
Hose Length: 4 ft (1.2 m)  
Probe Diameter: 3/16 in. (0.48 cm)

##### Flue Gas Sampling Probe (Nonreactive to NO<sub>2</sub> or SO<sub>2</sub>):

Probe/Hose Material: Stainless steel/polypropylene  
Probe/Hose Length: 12 in. std (30 cm)  
Hose Length: 4 ft (1.2 m)  
Probe Diameter: 3/16 in. (0.48 cm)

##### Power Requirements:

Batteries: 4 size AA alkaline batteries  
Battery Life: >10 hours (pump on)  
Bias Battery\*\*: Lithium  
Bias Battery Life\*\*: 3 yrs

#### Ordering Information

Model	Carbon Monoxide (CO)	Oxygen (O <sub>2</sub> )	Nitric Oxide (NO)	Nitrogen Dioxide (NO <sub>2</sub> )	Sulfur Dioxide (SO <sub>2</sub> )	CO High Range 0 to 2%	CO High Range 0 to 8%	Non-Reacting Probe for SO <sub>2</sub> or NO <sub>2</sub>
CA-6010	●							
CA-6020		●						
CA-6030			●					
CA-6040				●				●
CA-6050					●			●
CA-6060						●		
CA-6070							●	



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