

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. O₂, CO, CO (High Range), NO, NO₂ and SO₂ 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 NO₂ and SO₂ loss



Applications

- Verify optimum burner performance and safe operation on boilers, furnaces and appliances
- Check CO safety of appliances and buildings
- Monitor NO₂ safety
- Monitor emissions gases
- Supplement preventative maintenance
- Verify oxygen trim systems are operating correctly
- Check low NO_x and SO₂ 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 (O₂)*:

Range: 0 to 25%
Resolution: 0.1% O₂

Carbon Monoxide (CO)—High Range*:

Range: 0 to 2% (10,000 ppm=1%)
Resolution: 5 ppm

Nitric Oxide (NO)*:

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

Sulfur Dioxide (SO₂)*:

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

Nitrogen Dioxide (NO₂)*:

Range: 0 to 500 ppm
Resolution: 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.

Norprene® is a registered trademark of Norton Performance Plastics.

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. H₂O (±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 NO₂ or SO₂):

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 ₂)	Nitric Oxide (NO)	Nitrogen Dioxide (NO ₂)	Sulfur Dioxide (SO ₂)	Carbon Monoxide (CO) High Range	Non-Reactive Probe for SO ₂ or NO ₂
CA-6010	●						
CA-6020		●					
CA-6030			●				
CA-6040				●			●
CA-6050					●		●
CA-6060						●	



TSI Incorporated

500 Cardigan Road, Shoreview, MN 55126 USA

Tel: 651 490 2711 Toll Free: 1 800 777 8356 Fax: 651 490 2874 E-mail: answers@tsi.com

TSI Germany—Tel: +49-241-523030 Fax: +49-241-5230349 E-mail: tsigmbh@tsi.com

TSI Sweden—Tel: +46-18-52-70-00 Fax: +46-18-52-70-70 E-mail: tsi@tsi.se

For current information
www.tsi.com

