

CA-CALC™ Carbon Monoxide Exhaust Analyzers

TSI's CA-Calc portable CO exhaust analyzers are ideal for service technicians and safety inspectors who verify the efficient and safe operation of internal combustion, propane, gasoline and diesel-powered engines such as forklift trucks. Critical CO exhaust gas concentrations can be checked regularly to meet emission regulations established by the U.S. EPA and OSHA.

Features

- Industry-leading service
- Large display and intuitive operation
- Real-time data
- 12-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
- Bendable probe



Applications

- Verify optimum forklift truck performance and safe operation
- Check carbon monoxide (CO) levels
- Supplement preventative maintenance
- Forklift tuning to reduce CO emissions
- Tuning vehicles for high performance
- OSHA CO exhaust limit checks
- OSHA ambient CO checks

Models available for:

- Plant Engineers
- Consultants
- Vehicle Maintenance Technicians
- Industrial Hygienists
- Safety Managers
- Vehicle Maintenance Managers

CA-CALC CO Exhaust Analyzer

Specifications

CO Sensors*

CA-6010	
Range	0 to 2,000 ppm
Resolution	1 ppm
CA-6060	
Range	0 to 2% (10,000 ppm=1%)
Resolution	1 ppm or 0.01%
CA-6070	
Range	0 to 8% (10,000 ppm=1%)
Resolution	0.1%

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)
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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 ₂ O (±80 mBar)

Standard Exhaust 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)

Power Requirements

Batteries	4 size AA alkaline batteries
Battery Life	>12 hours (pump on)

* Electrochemical sensor

Specifications are subject to change without notice.

Norprene® is a registered trademark of Norton Performance Plastics.



TSI Incorporated

Corporate Headquarters—Tel: 651 490 2811 Toll Free: 1 800 874 2811 Fax: 651 490 3824 E-mail: answers@tsi.com

TSI China—Tel: +86 10 8260 1595 Fax: +86 10 8260 1597 E-mail: tsibeijing@tsi.com

Contact TSI or visit www.tsi.com for information on specific office locations worldwide.

