Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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707 Carbon Monoxide Analyzer

What about Carbon Monoxide?

National Ambient Air Quality Primary Standards in the US call for less than 9 ppm carbon monoxide for an 8 hour average during any 12 month period.

Concentrations of 1 to 2 ppm may be found in homes with a normally operating gas furnace, to well over 1,000ppm in homes with a faulty furnace.

Just 200 ppm CO over 2 to 3 hours can cause slight headache, fatigue, dizziness, and nausea.

Carbon Monoxide testing is a crucial service provided by HVAC/R technicians. Learn more about CO on the back of this sheet.

Turn over for technical information and accessory part numbers.

NOTE: When selecting oil as fuel be sure to use the optional oil filter or reading could become erratic. Order item A773.

The Value Leader™

4.0”w X 8.12”h x 2.25”d

Test flue gasses at home or office spaces for the presence and location of CO leaks. With a protective rubber boot, the new 707 fits comfortably in your hand and operates with the push of a button.

- **Clear and fast response with advance pump driven technology.**
- **Peak Hold to capture peak CO reading.**
- **Instrument recycles and will not shut off if 15ppm CO is present, increasing safety.**
- **Store Button allows you to save up to eight readings and then print using the IR port and optional A740 printer.**
- **1 ppm sensitivity.**
- **Measures up to 10,000ppm.**
- **Push on fittings are fast and easy to use.**
- **Large easy to read backlit display.**
- **Advanced electrochemical sensor is field replaceable and calibrateable.**
- **Protective rubber boot and soft carrying case with shoulder strap is included.**

3-YEAR LIMITED WARRANTY

CE

More About CO

Carbon monoxide poisoning is one of the leading causes of sickness and death each year. CO is the by-product of incomplete combustion in heating and cooking appliances, as well as gasoline, natural gas, and propane powered engines. Carbon monoxide is a colorless, tasteless, invisible toxic gas, which can cause serious health problems. The following chart depicts the health effects of exposure to CO:

0ppm	**Desired level**
9ppm	**Acceptable limit above ambient conditions in living areas (ASHRAE)**
50ppm	**Limit for continuous exposure in any 8 hour period (OSHA)**
400ppm	**Frontal headaches 1-2 hours**
800ppm	**Nausea and convulsions, death within 2 hours**
1600ppm	**Nausea within 20 minutes, death within 1 hour**
12800ppm	**Death within 1-3 minutes**

A740 Infrared Printer

- Self test at power on.
- Adjustable contrast.
- Uses common thermal paper.
- Manual paper advance.

3-YEAR LIMITED WARRANTY

3.0”w x 6.0 h x 1.75”d

707 Carbon Monoxide Analyzer

TECHNICAL SPECIFICATIONS AND ACCESSORIES

Power Supply	3 “AA” Alkaline Batteries
Sensor	Electrochemical (2 year warranty)
Range	0- 10,000ppm
Warm Up	Approx. 20 seconds
Response Time	90% of reading < 60 seconds
Duty Cycle	30 minutes
Battery Life	Approx. 30 hours
Size	3.75” x 8” x 3” (95 x 203 x 76 mm)
Weight	1.1 lbs. (500g)
Probe Length	9” (230mm)
Tube Length	5’ (152.4 cm)

Standard	
Sensor	A780
Instruction Manual	707 Manual
Soft Carrying Case	A768
Protective Boot	A765
Pump Protect Filter Assembly	A763
In-line Filter Assembly	A762
Flue Probe	A729
Batteries	3 each “AA” Alkaline

Optional	
Calibration Kit	A733
Calibration Gas	728
IR Printer	A740
Oil Filter	A773

NOTE: When selecting oil as fuel be sure to use the optional oil filter or reading could become erratic.
Order item A773.

Distributed By:

To learn about the entire line of TPI products visit:

www.tpi-thevalueleader.com

FAQ

Why should I purchase a pump driven CO analyzer rather than a less expensive CO monitor?
A pump driven analyzer is a much more versatile tool. The pump draws a sample into the instrument whish allows source pinpointing. A pump driven instrument will also respond faster, and can be used for hot air (flue) sampling.

Can a CO analyzer be used for heat exchanger testing?
While a CO analyzer can provide a safety test of the furnace, it cannot provide a discernable test for heat exchanger integrity. The TPI HXG2 and HETKIT are recommended for this test and together are AGA approved.

How often should I calibrate my CO analyzer?
It depends on the use of the instrument. If used for service work, it is recommended that an annual calibration be performed. If any aspect of worker safety is included in the instrument’s job, monthly calibration is recommended.

If I perform my own calibration, do I increase my liability?
As long as traceable calibration gas is used and manufacturer’s calibration procedures are followed, liability will be minimized. Calibration records should be documented and retained.

How many calibrations can I expect out of a 21 liter bottle of calibration gas?
35-50 calibrations

How long will the TPI 707 sensor last?
Two to three years.

Who can use this product?
Users of the 707 include HVACR contractors; gas fireplace installers; gas utility companies; chemical plants; propane companies; municiple, industrial; and rural fire departments; school and municipalities; and home inspection professionals.

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