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!



## Contact us

# 712 Flue Gas Analyzer

*New!*
**Five Tools in One!!**

The TPI 712 is an all in one instrument designed to maximize diagnostic efficiency and accuracy.

**Ask about the optional A740 Infrared Printer.**

**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

## Five Tools in One!

### 1. Combustion Efficiency Analyzer
- Measure $O_2$ and CO
- Calculate $CO_2$, efficiency, excess air and ratio.
- Will work with high efficiency furnaces, hot water heaters, and other combustible gas appliances.

### 2. Combustible Gas Detector
- Set at 100 ppm sensitivity for natural gas

### 3. CO Analyzer
- Measure 0-10,000 ppm CO

### 4. Differential Thermometer
- Dual input K-Type thermocouple temperature tester

### 5. Differential Digital Manometer
- Dual input differential manomoter with 3 selectable units of measure: kPa, mBar, $inH_2O$

3-YEAR LIMITED WARRANTY    CE

## 712 FEATURES
- Easy to use
- Large, easy-to-read display
- Data log up to ten sets; timed logging 400 sets
- PC interface
- IR printer port
- Protective rubber boot included

### 712 ACCESSORIES
CO Sensor, Oxygen Sensor, Protective Boot, Stack Probe, PVC Tubing, Water/filter trap on Stack Probe, Shoulder Strap Carrying Case, Spare Particle Filters, AC/DC Adapter, Rechargeable Batteries

### 712 OPTIONAL ACCESSORIES
**A740** IR Printer
**A767** IRDA Adapter for Data Logging
**A773** Sulfer Filter

## A740 Infrared Printer
- Easy to use
- Battery operated
- Self test facility
- Adjustable contrast
- Manual paper feed
- Maximum transmitting distance 16"(45cm)
- Compatible with most other combustion analyzers

3-YEAR LIMITED WARRANTY

3.0"w x 6.0 h x 1.75"d

visit us at www.tpi-thevalueleader.com

# 712 Flue Gas Analyzer

**Temperature Measurement**

| | |
|---|---|
| Range | -40° to 1472°, or -40° to 800°C |
| Resolution | 1°F or C |
| Accuracy (K-type) | ±0.3%, ±2°F or ±1°C |

**Draft/Pressure Measurement**

| | |
|---|---|
| Selectable Ranges | mBar,kPa, and $inH_2O$ |
| Ranges | -150 mBar to +150 mBar |
| | -15 kPa to +15 kPa |
| | -60 $inH_2O$ to +60 in $H_2O$ |
| Resolution | 0.01mBar |
| Accuracy | ±0/5% fsd |

**Gross/Net Efficiency**

| | |
|---|---|
| Range | 0 to 100% |
| Resolution | 0.1% |

**Oxygen ($O_2$) Measurement**

| | |
|---|---|
| Range | 0 to 25% |
| Resolution | 0.1% |
| Accuracy | ±0.3% |

**Carbon Monoxide (CO) Measurement**

| | |
|---|---|
| Range | 0 to 10,000 ppm |
| Resolution | 1 ppm |
| Accuracy | ±5 ppm or 5%, whichever is greater |

**Carbon Dioxide ($CO_2$)**

| | |
|---|---|
| Range | 0 to 25% |
| Resolution | 0.1% |
| Accuracy | Calculated |

**CO/CO2 Ratio**

| | |
|---|---|
| Range | 0 to 0.999 |
| Resolution | 0.001 |
| Accuracy | Calculated |

**Instrument Specifications**

| | |
|---|---|
| Operating Temperature Range | 14° to 122°F (-10° to 50°C) |
| Battery | Rechargeable Ni-MH, >6 Hour Life |
| Charger Input Voltage | 115V or 230V : 50/60 Hz AC |
| Fuels | Natural Gas, LPG, Light Oil, Heavy Oil |
| Display | Backlit LCD |
| Data Storage | 10 sets of readings |
| Data Logging | 400 sets of readings on 'Timed Interval Logging' |
| Time & Date | 24 Hour Real Time Clock |
| Dimensions | 200mm x 90mm x 60mm |
| Weight | 500g |
| Exhaust | Safety Spigot |
| Conforms To: | BS7927 (and the draft BS7967 |

**ACCESSORIES**

**Standard**

| | |
|---|---|
| Flue Probe w/K-type | A770 |
| K-Type Temperature Probe | GK11M |
| In-Line Filter Complete | A762 |
| Mini Pump Protection Filter Assembly | A763 |
| Battery Charger | A766 |
| Protective Boot | A765 |
| Soft Carrying Case | A768 |
| Exhaust Spigot | A764 |
| (2) Static Tips | A776 |

**Optional**

| | |
|---|---|
| Infrared Printer | A740 |
| PC Software | A772 |
| IRDA-RS232C Adapter | A767 |
| 20 Foot Flue Gas Analyzer Probe | A770-20 |
| Replacement Printer Paper (10 rolls) | A746 |
| 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.**

**Test Products International, Inc.**
Headquarters:
9615 SW Allen Blvd.
Beaverton, OR 97005
USA
503-520-9197
Fax: 503-520-1225
email:
info@tpi-thevalueleader.com

**Test Products International, Ltd.**
342 Bronte St. South
Unit 9
Milton, Ontario L9T 5B7
Canada
905-693-8558
Fax: 905-693-0888
email:
info@tpicanada.com

**Test Products International UK Ltd.**
Longley House, East Park
Crawley, West Sussex
RH10 6AP England
Tel: +44 (0)1293 561212
Fax: +44 (0)1293813465
contactus@tpieurope.com



*To learn about the entire line of TPI products visit:*

# www.tpi-thevalueleader.com