

712 Flue Gas Analyzer

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

Ask about the optiona Infrarec **Printer**



4.0"w x 8.12"h x 2.25"d

Five Tools in One!

1. Combustion Efficiency Analyzer

- Measure 02 and CO
- Calculate CO₂, 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, inH2O, and .001inH2O
- Tightess test: check for pressure leaks in valves, fittings, and switches with an elapsed time reference





Turn over for technical information and accessory part numbers.

The Leader™

712 FEATURES

- · Easy to use
- · Large, easy-to-read display
- Store up to 50 data sets: Timed logging 400 sets
- Single log mode: CO, temp., pressure logging
- 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





3.0"w x 6.0 h x 1.75"d

visit us at www.tpi-thevalueleader.com





712 Flue Gas Analyzer

Temperature Measurement

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

Draft/Pressure Measurement & Tightness Test

Selectable Ranges mBar,kPa, and inH₂O -150 mBar to +150 mBar Ranges -15 kPa to +15 kPa -60 inH₂O to +60 in H₂O .001inH20 (0.01mBar) Resolution

Gross/Net Efficiency

Range Resolution 0 to 100%

Oxygen (0₂) Measurement

Range 0 to 25% 0.1% Resolution Accuracy

Carbon Monoxide (CO) Measurement

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

Carbon Dioxide (CO₂)

Range 0 to 25% Resolution 0.1% Calculated Accuracy

CO/CO2 Ratio Range 0 to 0.999 Resolution 0.001 Accuracy Calculated Instrument Specifications

Operating remperature Range	14" 10 122"F (-10" 10 50"6)
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	50 sets of readings
Data Logging	400 sets of readings in log mode
	150 sets of readings in single log mode
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

14° to 100°E / 10° to 50°C

ACCESSORIES

Standard A611 Gas Valve Adapter Adapter Tubing A791 Pressure Tubing A774 (2) 1/4 barb to 1/8 NPT A603 Flue Probe w/K-type K-Type Temperature Probe GK11M In-Line Filter Complete Mini Pump Protection Filter Assembly A763 Battery Charger A766 Protective Boot A765 Soft Carrying Case A768 Exhaust Spigot A764 A776 (2) Static Tips

<u>Optio</u>nal A740 Infrared Printer PC Software A772 A767 IRDA-RS232C Adapte Filter for A762 (5 pack) 20 Foot Flue Gas Analyzer Probe A770-20 Replacement Printer Paper (2 rolls)

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

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