



714 Flue Gas Analyzer with NOX

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

The TPI 714 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

714 Five Instruments in One

1. Combustion Efficiency Analyzer

- Measure O₂, CO, and NO
- Calculate CO₂, NOX, efficiency, excess and air ratio
- Will work with high efficiency furnaces, hot water heaters, and other combustible gas appliances.

2. NO & NOX Analyzer

- Measure 0 ~ 5,000ppm NO
- Calculate 0 ~ 5, 250ppm NOX

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 manometer with 3 selectable units of measure: kPa, mBar, inH₂O



714 FEATURES

- Easy to use
- Large, easy-to-read display
- Print real-time or stores readings Save 10 sets of data
- 12V car power adapter
- IR printer port
- Protective rubber boot included

714 ACCESSORIES

CO Sensor, Oxygen Sensor, NO Sensor
Protective Boot, Stack Probe, PVC Tubing,
Water/filter trap on Stack Probe, Shoulder
Strap Carrying Case, Spare Particle Filters,
Rechargeable Batteries

714 OPTIONAL ACCESSORIES

A740 IR Printer

A767 IRDA Adapter for Data Logging

A773 Sulfur 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



3.0" w
x 6.0 h
x 1.75" d

visit us at www.tpi-thevalueleader.com



714 CO & NOX ANALYZER

TECHNICAL SPECIFICATIONS AND ACCESSORIES

- Digital Multimeters
- Clamp Meters
- Hand-held Oscilloscopes
- Refrigerant & Combustible Gas Leak Detectors
- Temperature Testers
- BNC Coax Cable Connectors
- Test Leads
- Accessories

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Temperature Measurement	
Range	-50° to 1000°F, or -45° to 540°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 ₂ O
Ranges	-150 mBar to +150 mBar -15 kPa to +15 kPa -60 inH ₂ O to +60 in H ₂ O
Resolution	0.01mBar
Accuracy	±0/5% fsd
Nitric Oxide Measurement	
Range	0 to 5,000ppm
Resolution	1ppm
Accuracy	<100ppm: ±5ppm <1000ppm ±5% >1000ppm: ±10ppm
NOX Measurement	
Range	0 to 5, 250
Resolution	1ppm
Accuracy	Calculated
Gross/Net Efficiency	
Range	0 to 100%
Resolution	0.1%
Accuracy	Calculated
Oxygen (O₂) 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	<100 ppm CO: ±5 ppm >100 ppm CO: ±5% of reading
Carbon Dioxide (CO₂)	
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	4AA Batteries
Fuels	Natural Gas, LPG, Light Oil, Heavy Oil
Display	Backlit LCD
Data Storage	10 sets of readings
Time & Date	24 Hour Real Time Clock
Dimensions	200mm x 90mm x 60mm
Weight	500g
Switch Off	Failsafe
Exhaust	Safety Spigot
Conforms To:	BS7927 (and the draft BS7967)

ACCESSORIES	
Standard	
Flue Probe w/K-type	A742
K-Type Temperature Probe	GK11M
In-Line Filter Complete	A762
Mini Pump Protection Filter Assembly	A763
Rubber Boot	A765
Soft Carrying Case	A768
Exhaust Spigot	A764
(2) Static Tips	A776

Optional	
20 Foot Flue Gas Analyzer Probe	A770-20
Infrared Printer	A740

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Distributed By:

To learn about the entire line of TPI products visit:

www.tpi-thevalueleader.com

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