

# 714 Combustion Analyzer

## Test the TPI Advantage



### Features

#### QUICK AND SIMPLE

**SET UP** All TPI analyzers feature quick and simple set up. Fast purge and the ability to perform fuel selection during start up enable tests to be performed quickly without requiring extra set-up time after initial startup. TPI analyzers also use the last selected fuel as the default setting. This feature prevents the need to perform fuel selection every time the analyzer is turned on.

- Built-in differential manometer with 0.001" H<sub>2</sub>O resolution
- Measure NO (Nitric Oxide), Calculate NO<sub>x</sub>
- Calculates combustion efficiency
- Data Logging with time and date stamp
- Will not shut off if 15 ppm CO is present for increased safety
- Communicate to a PC via the optional A767 IR interface
- Optional A740 IR printer available for hard copies of test results
- Built-in differential thermometer
- Store function to save up to 50 readings
- Pump driven for fast response
- Push on fittings for fast and easy use
- Large easy to read backlit display
- Ten selectable fuels



### Instrument

Operating Temperature Range  
Battery / Battery Life  
Charger Input Voltage  
Fuels

Units of Pressure  
Display  
Data Storage  
Data Logging  
Single Logging  
Time & Date  
Dimensions  
Weight

### Gases

Oxygen  
Carbon Monoxide  
Nitric Oxide  
Carbon Dioxide  
NO<sub>x</sub>  
CO/CO<sub>2</sub> Ratio  
Combustion Eff.

### Specifications

14°F to +122°F (-10°C to +50°C)  
Rechargeable Ni-MH / > 6 Hours  
115V or 230V : 50/60 Hz AC  
Natural Gas, LPG, Light Oil, Heavy Oil, Bituminous Coal, Anthracite Coal, Coke, Butane, Wood, Bagasse  
mbar, kPa & inH<sub>2</sub>O  
3 Line Backlit LCD w/ annunciators  
50 sets of readings  
400 sets of readings  
150 sets of readings  
24 Hour Real Time Clock  
7.8" x 3.5" x 2.4"  
1.1lbs

### Range

0-25%  
0-10,000 ppm  
0-5,000ppm  
0-25%  
0-5250ppm  
0-0.999  
0-100%

### Resolution

0.1%  
1 ppm  
1 ppm  
0.1%  
1 ppm  
0.001  
0.1%

### Accuracy

+/- 0.3%  
+/- 5 ppm or 5%  
+/- 5 ppm to 5%  
Calculated  
Calculated  
Calculated  
Calculated

### Pressure Measurement

Selectable Ranges mbar, kPa and inH<sub>2</sub>O  
Range -120 inH<sub>2</sub>O to 120 inH<sub>2</sub>O  
Resolution 0.001 inH<sub>2</sub>O  
Accuracy +/- 0.5% fsd

### Temperature Measurement

Input Type K-Type thermocouple  
Range -58°F to 1832°F (-50°C to 1000°C)\*  
Resolution 1°F (1°C)  
Accuracy +/- (0.3% of rdg+2°F) or +/- (0.3% of rdg+1°C)

**A787 Soft Carrying Case**



**A770 Flue Probe**



**GK11M K-type thermocouple**



**A774 Silicone Tubing**



**A776 Static Tip (2)**



**A791 Adapter tubing**



**A611 Gas Valve Pressure Adapter**



**A603 Brass Hose Barb Fitting (2)**



**A763 Mini pump protection filter**

