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” H2O resolution
- 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 USB interface
- Optional A740 IR printer available for hard copies of test results
- Built-in differential thermometer
- Store function to save up to 10 readings
- Pump driven for fast response
- Push on fittings for fast and easy use
- Large easy to read backlit display
- Ten selectable fuels

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Specifications

Instrument
Operating Temperature Range 14°F to +122°F (-10°C to +50°C)
Battery / Battery Life Rechargeable Ni-MH / > 6 Hours
Charger Input Voltage 115V or 230V : 50/60 Hz AC
Fuels Natural Gas, LPG, Light Oil, Heavy Oil, Bituminous Coal, Anthracite Coal, Coke, Butane, Wood, Bagasse

Units of Pressure
Display 8 line graphical LCD Backlight
Data Storage 100 sets of readings
Data Logging 400 sets of readings
Single Logging 150 sets of readings
Time & Date 24 Hour Real Time Clock
Dimensions 7.8” x 3.5” x 2.4”
Weight 1.1lbs

Gases
Oxygen Range 0-25% Resolution 0.1% Accuracy +/- 0.3%
Carbon Monoxide Range 0-10,000 ppm Resolution 1 ppm Accuracy +/- 5 ppm or 5%
Carbon Dioxide Range 0-25% Resolution 0.001 Accuracy Calculated
CO/CO2 Ratio Range 0-0.999 Resolution 0.1% Accuracy Calculated
Combustion Eff. Range 0-100% Resolution 0.1% Accuracy Calculated
Gas Leak Sensor Range 100-10,000 ppm (calibrated to methane) Accuracy * Bluetooth module optional

Pressure Measurement
Selectable Ranges mbar, kPa and inH2O
Range -120 inH2O to 120 inH2O
Resolution 0.001 inH2O
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)

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Using TPI analyzers to determine combustion efficiency at the time of equipment set up minimizes call backs. Analyzers can be used to verify to the homeowner the value of service work by showing the increase in equipment efficiency after work is performed. Efficiency calculations can also be used to generate business by demonstrating the need to improve the efficiency of equipment or to show the benefit of purchasing new equipment with higher efficiency.

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 start up. 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.

Quick and Simple Set Up:
- Fast purge
- Ability to perform fuel selection during start up
- Last selected fuel as default setting

Combustion Analyzer

Home:
- Returns the analyzer to the main menu.

Up Arrow Key:
- Scrolls up and increases values in menus.

Down Arrow Key:
- Scrolls down and decreases values in menus.

Back Key:
- Returns the analyzer to a previous menu level.

On/Off Key:
- Turns instrument On and Off.

Blue Soft Keys:
The function of these keys is shown on the bottom part of the display and changes depending on the menu selected.

Charger Socket and USB Port

Infrared Window

Exhaust Port

Gas and Pressure Inlet Ports

Thermocouple Sockets

200mm x 90mm x 60mm

All combustion analyzers come with A787 soft padded carrying case.