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712

Combustion Analyzer

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 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.

- 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 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

712 Contents

712 Combustion Analyzer



A787 Soft Carrying Case



A603 Brass Hose Barb Fitting (2)



A770 Flue Probe



A776 Static Tip (2)



A791 Adapter tubing

A611 Gas Valve Pressure Adapter



A774 Silicone Tubing



GK11M K-type thermocouple



A763 Mini pump protection filter

Specifications

Instrument

Operating Temperature Range	14°F to +122°F (-10°C to +50°C)
Battery / Batery 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 mbar, kPa & inH2O
Units of Pressure	3 Line Backlit LCD w/ annunciators
Display	10 sets of readings
Data Storage	400 sets of readings
Data Logging	150 sets of readings
Single Logging	24 Hour Real Time Clock
Time & Date	7.8" x 3.5" x 2.4"
Dimensions	1.1lbs
Weight	

Gases

	Range	Resolution	Accuracy
Oxygen	0-25%	0.1%	+/- 0.3%
Carbon Monoxide	0-10,000 ppm	1 ppm	+/- 5 ppm or 5%
Carbon Dioxide	0-25%	0.1%	Calculated
CO/CO2 Ratio	0-0.999	0.001	Calculated
Combustion Eff.	0-100%	0.1%	Calculated
Gas Leak Sensor	100-10,000 ppm		

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)