

709 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" H₂O resolution
- Calculates combustion efficiency
- Pump driven for fast response
- Will not shut off if 15 ppm CO is present for increased safety
- Optional A740 IR printer available for hard copies of test results
- Built-in differential thermometer
- Store function to save up to 50 readings
- Push on fittings for fast and easy use
- Large easy to read backlit display
- Ten selectable fuels



Specifications

Instrument

Operating Temperature Range	14°F to +122°F (-10°C to +50°C)
Battery / Battery Life	AA (3) / > 6 Hours
Fuels	Natural Gas, LPG, Light Oil, Heavy Oil, Bituminous Coal, Anthracite Coal, Coke, Butane, Wood, Bagasse
Units of Pressure	mbar, kPa & inH ₂ O
Display	3 Line Backlit LCD w/ annunciators
Data Storage	50 sets of readings
Time & Date	24 Hour Real Time Clock
Dimensions	7.8" x 3.5" x 2.4"
Weight	1.1lbs

Gases

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/CO ₂ Ratio	0-0.999	0.001	Calculated
Combustion Eff.	0-100%	0.1%	Calculated

Pressure Measurement

Selectable Ranges	mbar, kPa and inH ₂ O
Range	-120 inH ₂ O to 120 inH ₂ O
Resolution	0.001 inH ₂ 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



A763 Mini pump protection filter



A774 Silicone Tubing

