

709R 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 | 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 | 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 | 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 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)

A787 Soft Carrying Case



A770 Flue Probe



GK11M K-type thermocouple



A763 Mini pump protection filter



A774 Silicone Tubing

