



717 Combustion Analyzer with smart sensors

Field Replaceable O₂ & CO Sensors



Instrument

Operating Temperature Range

Battery / Battery Life

Fuels

Units of Pressure

Display

Data Storage

Time & Date

Dimensions

Weight

Pressure Measurement

Selectable Ranges

Range

Resolution

Accuracy

Temperature Measurement

Input Type

Range

Resolution

Accuracy

Specifications

14°F to +122°F (-10°C to +50°C)

AA (3) / > 6 Hours

Natural Gas, LPG, Light Oil, Heavy Oil, Bituminous Coal, Anthracite Coal, Coke, Butane, Wood, Wood Pellet, Bagasse

mbar, kPa & inH₂O

3 Line Backlit LCD w/ annunciators

100 sets of readings (10 sets for CO room test)

24 Hour Real Time Clock

7.8" x 3.5" x 2.4"

1.1lbs

mbar, kPa and inH₂O

-120 inH₂O to 120 inH₂O

0.001 inH₂O

+/- 0.5% fsd

K-Type thermocouple

-58°F to 1832°F (-50°C to 1000°C)

1°F (1°C)

+/- (0.3% of rdg + 2°F) or +/- (0.3% of rdg + 1°C)

The 717 has a built-in magnet for hands free use

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 100 readings
- Push on fittings for fast and easy use
- Large easy to read backlit display
- 11 selectable fuels

A787 Soft Carrying Case



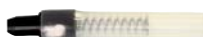
A770 Flue Probe



A774 Silicone Tubing



A763 Mini pump protection filter



GK11M K-type thermocouple



TPI 717 makes field sensor replacement simple. Pre-calibrated oxygen and carbon monoxide smart sensors enable users to perform sensor replacement without having to perform calibration. Simply remove the old sensor, install the new sensor, and wait 24 hours for sensor stabilization. Once the 717 is turned on calibration data is automatically transferred to the analyzer.

A760S Smart CO Sensor

Pre-calibrated smart CO sensor



A761S Smart O₂ Sensor

Pre-calibrated smart O₂ sensor



Smart sensor access panel removes with the turn of a screw and provides ample working room for sensor replacement.

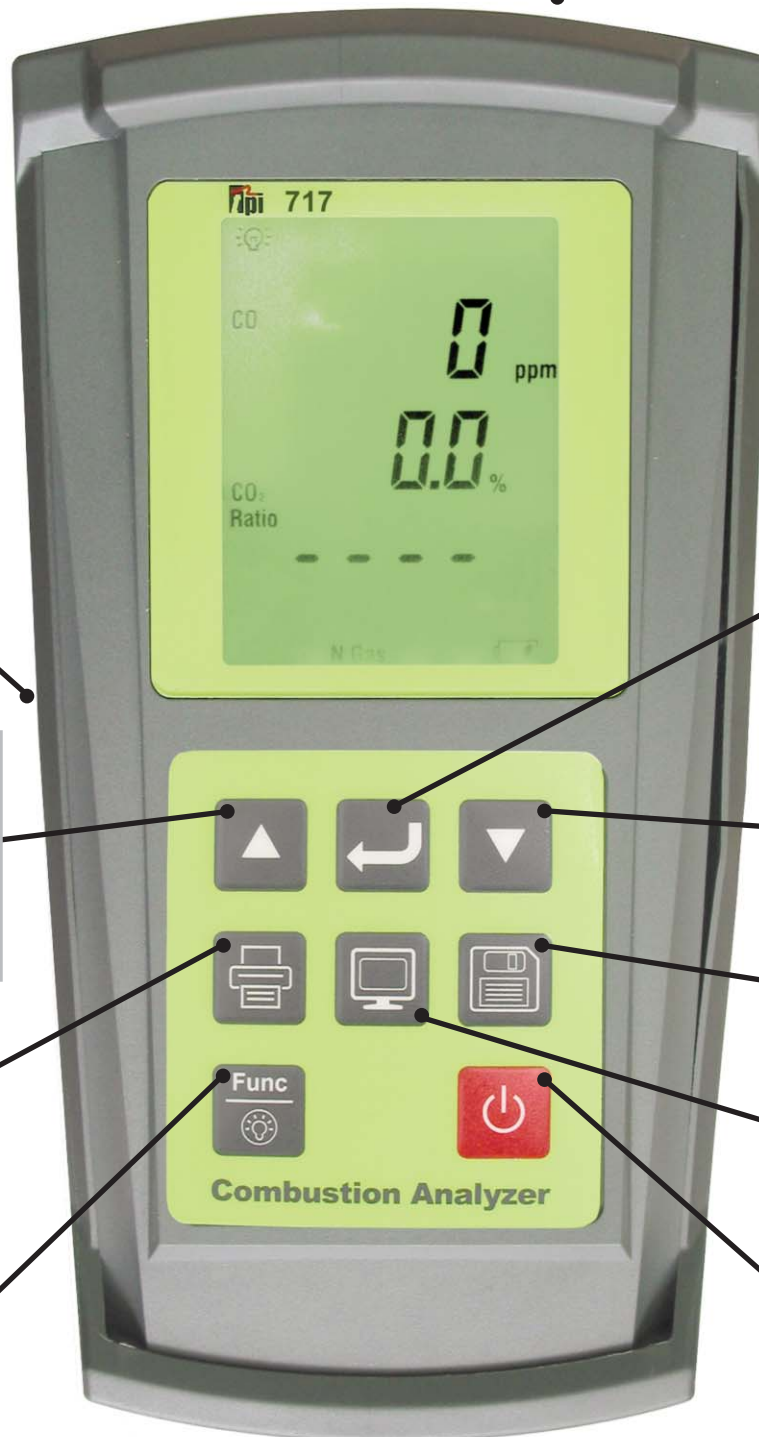
To learn about the entire line of TPI products visit: www.testproductsintl.com



717 Combustion Analyzer with smart sensors

Gas and Pressure Inlet Ports

Thermocouple Sockets



Exhaust Port

Infrared Window

Scroll/Enter Key:
Scrolls through the five pages of combustion analysis information, Toggles between differential calculation On and Off, Toggles T2 temperature On and Off

Up Arrow Key:
Saves the ratio readings, scrolls through selectable fuels, Toggles between gross and net efficiency, toggles between °C and °F, Scrolls between pressure readings mbar, kPa, and inH₂O

Down Arrow Key:
Zeros pressure reading

Print
Print real data or data stored to a location.

Store
Stores Data to a location.

Recall:
Recalls stored data on the LCD

Function/Backlight Key:
Scrolls through Temperature, Pressure & Leak Turns backlight On and Off

On/Off Key:
Turns instrument On and Off