



# 717R Combustion Flue Gas Analyser

- **Combustion Efficiency Analyser:**  
Measure O<sub>2</sub>, CO, and flue temperature.  
Calculate efficiency, excess air, CO<sub>2</sub> & (CO/CO<sub>2</sub>) Ratio.
- **CO Analyser:**  
Measure carbon monoxide in ambient air.
- **Differential Manometer:**  
+/- 150 mBar (0.01 mBar resolution)  
**Great for Tightness/Let By or Burner Pressure Testing**
- **Differential Thermometer:**  
Dual input K-Type thermocouple thermometer measures differential temperatures  
**Ideal for Measuring & Recording Flow & Return Temperatures**



## PLUS

- Timed Let/By & Tightness Test
- Timed CO Build-Up Room Test
- Integrated Magnet
- Calibration Due Countdown on switch on
- Serial Number on Print-Outs
- Next Calibration Due Date on Print-Outs

**LOWEST ANNUAL Re-Certification Costs**  
**£85<sup>00</sup>** exc. VAT  
Includes scheduled O<sub>2</sub> & CO sensor changes and return carriage  
Contact TPI Europe Ltd for FULL Written Terms & Conditions

Feature	Benefit
10,000 ppm CO Sensor	Longer Life & Quicker Recovery Times after Combustion Tests
In-Line Water Trap Bowl Filter	Prevent additional servicing costs due to damaged sensors caused by water ingress
In-Line Mini Pump Protection Filter	Prevent additional servicing costs due to blocked pump caused by dust/dirt ingress
Multi-Fuel	Not limited to the type of jobs you can accept to work on
Soft Carry Case	Keeps your equipment & accessories together & secure in one handy place
Diagnostic Software	Save time & money by preventing the need to return the analyser for unnecessary repairs
Readings Output to (Optional) IR Printer	Keep permanent print-outs of recorded readings for your records & the customers
6 Year Warranty	Complete peace of mind over the life of the analyser
CO Build Up Test Software	Save time by having the analyser record the CO Build Up levels in a Room
Tightness Test Software	Save time by having the analyser record the Test Pressure Readings
Calibration Due Countdown	Always be aware of when your 717R requires annual re-certification

# Test the TPI Advantage

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# 717R Combustion Flue Gas Analyser

## Carbon Monoxide (CO) Measurement

Range	0 to 10,000 ppm
Resolution	1 ppm
Accuracy	<20 ppm : ± 3ppm >100 ppm : ± 5%

## Oxygen (O<sub>2</sub>) Measurement

Range	0 to 25%
Resolution	0.1%
Accuracy	±0.3%

## Carbon Dioxide (CO<sub>2</sub>)

Range	0 to 25%
Resolution	0.1%
Accuracy	Calculated

## Ratio (CO/CO<sub>2</sub>)

Range	0 to 0.999
Resolution	0.001
Accuracy	Calculated

## Gross/Net Efficiency

Range	0 to 100%
Resolution	0.1%

## Temperature Measurement

Range	-40° to 800° C (-40° to 1472° F)
Resolution	1°C or F
Accuracy (K-type)	±0.3%, ±1°C or ±2°F

## Draft/Pressure Measurement

Selectable Ranges	mBar, kPa, and inH <sub>2</sub> O
Range	-150 mBar to +150 mBar
Resolution	0.01mBar
Accuracy	±0/5% fsd

## Instrument Specifications

Operating Temperature Range	-10° to 50°C
Battery	Rechargeable Ni-MH, >6 Hour Life
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 (Dry) Bagasse Wood Pellet
Display	Backlit LCD
Data Storage	100 sets
Time & Date	24 Hour Clock
Dimensions	200x90x60mm
Weight	500g
Conforms To:	EN50379 BS7967

## Standard Accessories

Flue Temperature Probe	A770
'K'-Type Temperature Air Probe	GK11M
In-Line Water Trap Bowl Filter Complete	A796
Mini Pump Protection Filter Assembly	A763
Battery Charger	A766
Protective Boot	A765
Soft Carrying Case	A768
Exhaust Spigot	A764

## Kit options available

<b>Kit</b>	Analyser, Probe & Charger in Padded Carry Case
<b>Kit 1</b>	As Kit <b>PLUS</b> Printer
<b>Kit 2</b>	As Kit <b>PLUS</b> Printer & Pipe Clamps
<b>Kit 3</b>	As Kit <b>PLUS</b> Printer, Pipe Clamps & CPA Probe Set
<b>Kit 4</b>	As Kit <b>PLUS</b> Printer, Pipe Clamps & Gas Sniffer
<b>Kit 5</b>	As Kit <b>PLUS</b> Printer, Pipe Clamps, CPA Probe Set & Gas Sniffer
<b>Kit 1 OIL</b>	As Kit <b>PLUS</b> Printer, Smoke Pump & Oil Filter

