709R Combustion Analyser

The Value Leader ™
www.tpieurope.com

Test Products International, Europe Ltd
Longley House
International Drive
Southgate
Crawley
West Sussex
RH10 6AQ
Tel: +44 (0) 1293 530196
Fax: +44 (0) 1293 531870
contactus@tpieurope.com

HANDHELD OSCILLOSCOPES

DIGITAL MULTIMETERS

DIGITAL CLAMP-ON METERS

DMM & CLAMP-ON ACCESSORIES

CO ANALYSERS

COMBUSTION EFFICIENCY ANALYSERS

COMBUSTIBLE GAS DETECTORS

GAS DETECTION ACCESSORIES

DIGITAL MANOMETERS

REFRIGERANT LEAK DETECTORS

TEMPERATURE INSTRUMENTS

INFRARED NON-CONTACT THERMOMETERS

POCKET DIGITAL THERMOMETERS

DIGITAL VACUUM GAUGE

ELECTRICAL TESTERS

HUMIDITY TESTERS

AIRFLOW TESTERS

SERVICE & CALIBRATION

ACCESSORIES

**Visit
tpieurope.com
or call
01293-530196**

6 Year Limited* Warranty

Use with optional A740 Printer!

The TPI 709R Combustion Analyser Performs:

1) Combustion Analysis
- Check Net/Gross Efficiency
- Adjust CO, CO_2 & Ratio Values
- Check CO_2 & O_2 Values on Appliance

2) Differential Pressure
- Adjust Gas/Air Mixture
- Test Air Pressure Switch
- Use for Tightness Testing

3) Differential Temperature
- Flow & Return Adjustments
- Balance Radiators
- Check Thermostat & Water Temperatures

4) CO Detection
- Highlights CO Spillage
- Indicates areas of High CO Production

* Warranty Subject to Annual Servicing by TPI Europe Ltd.

TIME & MONEY SAVING FEATURES!!!!!!!!!!

- Long Life O_2 & CO Sensors.
Long Life Sensors means lower servicing costs during a 6 year period from new.
- Water Trap & Disc Filter as standard on the thermocouple gas sampling probe.
Complete protection from water ingress into 709R.
- In-line Pump Protection Filter as standard.
Stopping dust/dirt ingress into pump (the main cause of pump/analyser failure)

See Overleaf for Accessories & Specifications

709R Combustion Analyser

Delivering test and measurement advantages for HVAC/R professionals worldwide
Test the TPI advantage

The Value Leader ™

www.tpieurope.com

Test Products International, Europe Ltd

Longley House
International Drive
Southgate
Crawley
West Sussex
RH10 6AQ
Tel: +44 (0) 1293 530196
Fax: +44 (0) 1293 531870
contactus@tpieurope.com

HANDHELD OSCILLOSCOPES

DIGITAL MULTIMETERS

DIGITAL CLAMP-ON METERS

DMM & CLAMP-ON ACCESSORIES

CO ANALYSERS

COMBUSTION EFFICIENCY ANALYSERS

COMBUSTIBLE GAS DETECTORS

GAS DETECTION ACCESSORIES

DIGITAL MANOMETERS

REFRIGERANT LEAK DETECTORS

TEMPERATURE INSTRUMENTS

INFRARED NON-CONTACT THERMOMETERS

POCKET DIGITAL THERMOMETERS

DIGITAL VACUUM GAUGE

ELECTRICAL TESTERS

HUMIDITY TESTERS

AIRFLOW TESTERS

SERVICE & CALIBRATION

ACCESSORIES

Visit tpieurope.com or call 01293-530196

Carbon Monoxide (CO) Measurement

Range	0 to 10,000 ppm
Resolution	1 ppm
Accuracy	±5 ppm or 5%, whichever is greater

Oxygen (O_2) Measurement

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

Carbon Dioxide (CO_2)

Range	0 to 25%
Resolution	0.1%
Accuracy	Calculated

Ratio (CO/CO2)

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_2O
Ranges	-150 mBar to +150 mBar -15 kPa to +15 kPa -60 inH_2O to +60 in H_2O
Resolution	0.01mBar
Accuracy	±0/5% fsd

A740 Infra Red Printer

Instrument Specifications

Operating Temperature Range	-10° to 50°C (14° to 122°F)
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
	OPT 1 = Bituminous Coal
	OPT 2 = Anthracite Coal
	OPT 3 = Coke
	OPT 4 = Butane
	OPT 5 = Wood (Dry)
	OPT 6 = Bagasse
Display	Backlit LCD
Data Storage	50 sets of readings
Time & Date	24 Hour Real Time Clock
Dimensions	200mm x 90mm x 60mm
Weight	500g
Exhaust	Safety Spigot
Conforms To:	BS7927 (and the draft BS7967)

Standard Accessories

Flue Temperature Probe	A770
'K'-Type Temperature Air Probe	GK11M
In-Line Water Trap Bowl Filter Complete	A795
Mini Pump Protection Filter Assembly	A763
Battery Charger	A766
Protective Boot	A765
Soft Carrying Case	A768
Exhaust Spigot	A764

Optional Accessories:-

A773 - Oil Filter

A788 - Smoke Test Pump

CK21M - Temperature Pipe Clamps

A746 - 10 Spare Paper Rolls for IR Printer
Plus Various 'K' Type Thermocouple Probe

To learn more about the vast TPI Product Range visit www.tpieurope.com