



Portable Combustion Analyser

Sprint 2000^{xt}

Sprint 2000^{xt} provides easy combustion testing and boiler assessment, reducing the need for unnecessary strip down and increasing operational efficiency.

Sprint 2000^{xt} features five functions in one compact easy to use instrument:

- 1 **Combustion Analyser**
- 2 **Differential Manometer**
- 3 **Differential Thermometer**
- 4 **CO Build Up Detector**
- 5 **Gas Leak Detector**

Features

- 2 Year Limited Warranty (Inclusive of Sensors)
- Standard Rechargeable Ni-MH Batteries
- Instant One-Button Print Out
- 30ppm Carbon Monoxide Danger Warning
- Compliant With BS7967
- Splash Proof
- Easy To Use Menu
- Back Lit Display
- High Quality Stainless Steel Probe
- Durable Carry Case

Measures

- Carbon Monoxide and Oxygen
- Calculation of Carbon Dioxide, Boiler CO/CO₂ Ratio and Efficiency Reading
- Selectable Fuel Types
- Gross or Net Efficiency Selection
- CO Room Test with 30 One Minute Readings & Logging of Highest Value
- Optional Hydrocarbon Leak Detector with Audible Alarm with Crescendo Warning

Pressure

- Positive & Negative Pressure with Differential Measurement
- Pressure Measurement Zero Facility
- Timer for Gas Tightness Test in accordance with IGE/UP/1B
- mbar, inWG, mmWG, PSI and Pascal Scale options

Temperature

- Differential Temperature Measurement with Two Thermocouples
- Outlet, Net and Inlet Temperature Displays
- Centigrade and Fahrenheit Scale Options

Reporting

- Logging of 50 Combustion Reports
- Logging of 25 CO Room Test Reports
- User Configurable Report Heading
- Real Time Clock
- Data Output to Printer or PC
- "Accepted By:" Client Approval on print out



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Specification

Instrument

Operating temperature range	-10°C to 50°C (14°F to 122°F)
Battery	Rechargeable Ni-MH. Life >6 hours
Charger input voltage	115V or 230V; 50/60Hz AC
Fuels	Natural gas, LPG, light oil, heavy oil + other (specified)
Display	Backlit LCD
Header	Customer programmable
Data logging	50 sets of readings for flue gas analysis 25 sets of readings for CO room test
Time and date	24 hour real time clock
Dimensions	160 x 70 x 50mm (6.3"x 2.8"x 2")
Weight	500g (1lb)
Certification	Designed to meet BS7927 British standard for portable flue gas analysers
Options	Rubber boot, portable infra red printer IR link to PC

Probes

Standard efficiency probe

Construction	Pistol grip; 250mm (10") probe length; 2.5m (10') hose length
K-type thermocouple	Accuracy +/- 0.3%; +/- 1°C (+/- 1.8°F)
Maximum temperature	800°C (1,472°F)

Combined air/surface/liquid probe (option)

Usage	Room, radiator and tap water temperatures
Temperature range	-50°C to 400°C (-58°F to 752°F)

Gases	range	resolution	accuracy
Oxygen	0 - 25%	0.1%	+/- 0.3%
Carbon Monoxide	0 - 10,000ppm	+/-1ppm	<100ppm; +/- 5ppm >100ppm; +/- 5%
Carbon Dioxide (calculated)	0 - 25%		
CO/CO ₂ ratio	0 - 0.9999		
Combustion efficiency	0 - 100%		
Gas leak sensor (option)	20 - 10,000ppm		

Draught/pressure measurement

Scales	mbar, inWG, mmWG, PSI, Pascal's
Range	+/- 150mbar
Resolution	0.01mbar
Accuracy	+/- 0.5% fsd
Timer	Timer count up from zero for gas soundness/tightness test, specific report generation in accordance to IGE/UP/1B.



Registration No
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