



P8385 COMBUSTION AND FLUE GAS EMISSIONS ANALYSER

APPLICATIONS

- ◆ Measurement of gas temperature at inlet and in stack for improved accuracy and calculation of nett temperature
- ◆ Measurement of over 70 pre-programmed fuel types
- ◆ Measurement of excess air to assess heat loss
- ◆ Measurement of O₂, CO, CO₂ and efficiency

FEATURES

- ◆ Compact portable unit
- ◆ All measurements and calculations of emission levels via hand set
- ◆ Print-outs for permanent records
- ◆ Improved sensor design for reduced gas cross sensitivity, easy fitting and self calibration

DESCRIPTION

The P8385 Combustion and Flue Gas Emissions Analyser comprises of a carrying case which houses the various sensors, a heavy duty water trap, particulate and sulphur filters, an integral printer, gas and pressure connectors and a rechargeable battery and battery charger.

A powerful pump draws the flue gas sample to the analyser.

A strong lid is supplied to provide maximum protection to the printer etc. and allows operation when the lid is closed.

Provision is made within the case for the remote hand set which features a 4 line backlit display for use in badly lit areas, instrument display showing date, time, battery life and sensor status together with extension leads and a flue gas probe.

The printout from the integral printer can be configured by the user to suit a particular application if the standard format is not suitable, and provides a permanent record and evidence of compliance with any local regulations.

TENDER SPECIFICATION

P8385 Combustion and Flue Gas Emissions Analyser comprising a case and carrying strap, hand held remote unit, oxygen sensor, CO sensor (H₂ compensated), 300 mm flue gas probe, printer, battery charger, water trap, SO₂ filter, 5 m probe extension lead, and 2 printer paper rolls.

TECHNICAL SPECIFICATION

AMBIENT OPERATING RANGE	Temperature +0°C to +40°C Humidity 20% to 80% RH non condensing
MAXIMUM GAS TEMPERATURE AT SENSORS	Continuous +40°C Intermittent +55°C
O ₂ RANGE/ACCURACY	0-25% / -0.1% +0.2%
CO RANGE/ACCURACY	0-10000ppm / ±20ppm <400ppm / ±5% <2000ppm / ±10% <2000ppm
CO ₂ RANGE/ACCURACY	0 to 20% / ±0.3% (calculated)
BATTERY POWER	12V 2.6 Amps/Hr, (8 hours full charge with pump on)
MAINS ADAPTOR/CHARGER	Input 110V AC or 220/240V AC Output 16V AC at 1 Amp
FLUE GAS PROBE	Stainless steel shaft with rubber handle, 5m neoprene hose and thermocouple plug
TEMP. ACCURACY	±0.3% ±1°C
PROBE DIMENSIONS (SHAFT)	300 mm x 8 mm
MAXIMUM PROBE TEMPERATURE	+600°C
PRE-PROGRAMMED UK FUELS	Natural Gas, Natural Gas 2, Gascor, Town Gas, Light Oil, Heavy Oil, Propane, Butane, Anthracite, Coke, Coal

Programmable to work with other fuels worldwide.

	MAIN UNIT	HAND SET
Length	450 mm	220 mm
Width	230 mm	55 mm
Height	300 mm	120 mm
Complete case weight	9.5 Kg	

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