Xtended Life Digital Combustion & System Analyzers

C155 & C157

- Measures CO2, CO, Ambient CO, Differential temperature, Differential pressure
- Calculate: O2, Gross/net efficiency, Excess air, CO air free
- Worklight
- 4 line backlit LCD display
- 179 memory positions
- User customizable parameters view
- Individual report printouts
- Unique DMM style rotary selector
- Protective boot with integral magnet
- Real time clock
- CO readings to 1 ppm
- Infrared printer port
- 5-Year limited warranty (includes sensors)

C157 Adds:

- Measures NO
- Calculates NOx

Applications

Confirm set up parameters (to manufacturers specifications)
Verify proper combustion, equipment efficency and integrity
Analyze combustion gas makeup and stack gases
Set gas pressures
Measure temperatures for live fire of gases, temeprature rise and differential drops across coils, inlet and siperheat readings
Perfom pressure test for drops across coils, gas pressures, limit switches, building pressures and zone pressures
Document equipment performance before and after servicing tests to show compliance

Includes

Analyzer	C155 Kit Options				C157 Kit Options			
UEi Part Number	**C155**	**C155KIT**	**C155BTKIT**	**C155OILKIT**	**C157**	**C157KIT**	**C157BTKIT**	**C157OILKIT**
Kit Type	**A. Analyzer Only**	**B. Combustion Kit**	**B. Combustion Kit**	**C. Oil Service Kit**	**A. Analyzer Only**	**B. Combustion Kit**	**B. Combustion Kit**	**C. Oil Service Kit**
UPC Code	05353350585	05353350587	05353350683	05353350589	05353350586	05353350588	05353350771	05353350590
Combustion Analyzer	X	X	X	X	X	X	X	X
12" Flue Probe w/ 10' Hose	X	X	X	X	X	X	X	X
Inlet tube/Probe connector	X	X	X	X	X	X	X	X
Particle Filter (spare)		X	X	X		X	X	X
AC Adapter		X	X	X		X	X	X
K-type Temperature Probes (2)		X	X	X		X	X	X
Owners Manual		X	X	X		X	X	X
Hard Carrying Case	X	X	X	X	X	X	X	X
Infrared Thermal Printer		X		X		X		X
Paper Roll (spare)		X	X	X		X	X	X
Training DVD		X	X	X		X	X	X
Smoke Pump Tester				X				X
NOx Sensor pre-installed					X	X	X	X
Installed Bluetooth Module			X				X	

Specifications

Temperature

Flue Temp Range	20~2400°F (-29~1315°C)
Inlet Temperature (probe - T2)	20~2400°F (-29~1315°C)
Inlet Temperature (ambient)	32~112°F (0~50°C)
Net Temperature (ΔT)**	20~2400°F (-29~1315°C)
Resolution	0.1°C/F
Flue (T1, Inlet T2 & ΔT) Accuracy	±(0.3% rdg +3.6°F(2°C))
Inlet Temperature Accuracy	±(0.3% rdg +1.8°F(1°C))

Gas

Oxygen	0~21%**
O2 resolution / accuracy	0.1% / ±(0.3% absolute)
Carbon Monoxide (CO)	0~2000 ppm (4000 max 15 min)*
CO resolution / accuracy	1 ppm / ±10 ppm<100ppm, ±5% rdg>100ppm
Carbon Dioxide (CO2)	0~20%*
CO2 resolution / accuracy	0.1% / (0.3% absolute)
Efficiency**	0~99.9%**
Efficiency resolution/accuracy	0.1% / ±3%
Excess Air**	0~250%**
Excess Air resolution/accuracy	0.1% / ±3%
CO/CO2 ratio**	0~0.999
CO/CO2 resolution/accuracy	0.001 / ± 5% rdg
Nitric Oxide (NO1)***	0~100 ppm
NO1 resolution/accuracy***	±2 ppm <30ppm, ±5ppm <100ppm

Pressure

Range	Accuracy
±0.08" wc (±0.2mBar)	2±0.002" wc (±0.005mBar)
±0.4" wc (±1mBar)	±0.01" wc (±0.03mBar)
±32" wc (±80mBar)	±3% rdg

Resolution	0.001" wc < 9.999" wc
	0.01" wc >10.00" wc
	0.001mBar<24.999mBar
	0.01mBar > 25 mBar

*   Measured at STP (standard temperature and pressure)
** Calculated value
*** NO1 sensor installed on C157. Available as an upgrade for C155.

† Gas Zero (Fresh Air Zero) - Is a reset procedure to maintain accurate readings from the EOS sensor. This procedure compensates for any change in ambient conditions that may impact the readings.

Downloads

Manual

Quick Start Guide

Data Sheet

H85-577

Sell Sheet

H85-580

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Made in UK
C155

0 53533 50586 3
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C157