



Residential/Commercial Combustion Analyzer w/ Nitric Oxide Sensor



BACKED BY
UEI
SERVICE+

10
YEAR
WARRANTY

8
HR
SERVICE

ups
FREE
SHIPPING

Functions

- Measures: NO, CO (10,000ppm H₂ Compensated), CO₂, Differential Pressure, Flue and Inlet Temperature
- Calculates: Differential Temperature, Efficiency (Net, Gross), Excess Air

Features

- Backed by UEI Service+
- Up to 10-Year warranty with annual recertification
- LINK to wireless probes
- Wireless Flow and Return Probes
- NO_x filtered & H₂ Compensated CO sensor (10,000ppm range)
- Over-range protection pump
- NO_x filtered CO sensor
- Low Flow Detection to protect reading accuracy
- Compatible with DTHA2
- Room CO test
- Differential Pressure
- Heat Exchanger test
- Protective water trap
- Wireless connection to a Free Printer App (iOS® and Android™ Compatible)



LINK to wireless Flow and Return pipe clamp probes.



Includes

- Flue Probe (CP2)
- Rechargeable Batteries, 3 (AA)
- USB Charging Cable (AACA5)
- Wireless Pipe Clamp Probes, 2 (WPC2)
- Tubing w/ connector (11000)
- K-Type Thermocouples, 2 (ATT29)
- Carrying Case (AC509)
- Particle Filter (spare) (17631)
- Quick Start Guide

See reverse side kit options.



Specifications

TEMPERATURE MEASUREMENT

| Parameter | Range | Resolution | Accuracy |
|-------------------------------------|---------------|------------|--------------------------|
| Flue temperature | 32° to 1112°F | 0.1°F | ±(0.3% rdg +3.6°F (2°C)) |
| Inlet temperature (internal sensor) | 32° to 112°F | 0.1°F | +1.8°C +0.3% rdg |
| Inlet temperature (external sensor) | 32° to 1112°F | 0.1°F | +3.6°F +0.3% rdg |

FLUE GAS

| Parameter | Range | Resolution | Accuracy |
|--------------------------------|----------------------|------------|--|
| Oxygen ^{*2} | 0 to 21% | 0.1% | +0.3% Volume |
| Carbon Monoxide ^{*1} | 0 to 2000ppm | 1ppm | ±3ppm or ±5% of rdg |
| | 2000 to 9999ppm | | ±10% of rdg |
| | 2000 to 9999ppm | | Unspecified |
| Carbon Dioxide | 0 to 20% | 0.1% | 0.3% rdg |
| Efficiency (Net or Gross) | 0 to 99.9% | 0.1% | +1.0% rdg |
| Efficiency High (C) | 0 to 119.9% | 0.1% | +1.0% rdg |
| Excess Air | 0 to 250% | 0.1% | +0.2% rdg |
| CO/CO2 ratio | 0 to 0.999% | 0.0001 | +5% rdg |
| Excess Air | 0 to 250% | 0.1% | +0.2% rdg |
| Nitric Oxide Sensor (optional) | 0 to 100ppm | 1ppm | + 2ppm <30ppm ^{*1} +5ppm <100ppm ^{*1} |
| | Overrange to 1500ppm | | +5% reading >100ppm |

PRESSURE (DIFFERENTIAL)

| Parameter | Range | Resolution | Accuracy |
|-------------------------|---------|------------|-----------|
| Pressure (Differential) | ±80mbar | 0.1mbar | ±0.5% FSD |

| | |
|------------------------------|---|
| PRE-PROGRAMMED FUELS | NAT GAS, H OIL, PELLLETS, L OIL, LPG, BUTANE, PROPANE |
| USER PROGRAMMED FUELS | 5 User defined fuels |
| STORAGE CAPACITY | 30 tests |

*1 Using dry gases at STP
*2 Calculated

Downloads



Manual



Data Sheet



Made in UNITED KINGDOM



| C165+N Available Kits Options | C165+N | C165+NKIT | C165+NOIL | C165+NOILKIT |
|--|--------------|--------------|--------------|--------------|
| UPC # | 053533509175 | 053533509205 | 053533509199 | 053533509229 |
| Analyzer / flue probe | • | • | • | • |
| Batteries / USB charging cable | • | • | • | • |
| Quick start guide | • | • | • | • |
| Hard case | • | • | • | • |
| 2 K-type thermocouples / spare particle filter | • | • | • | • |
| Pressure tubing | • | • | • | • |
| 2 Wireless pipe clamp probes | • | • | • | • |
| IR thermal printer w/ spare paper roll | | • | | • |
| Smoke pump test kit | | | • | • |
| Particle Filter (spare) (17631) | | | • | • |