



# E6000-NP

## Hand-Held Gas Analyzer for Emissions Monitoring of Boiler, Engine, & Other Industrial Combustion Applications

### Accurate / Reliable / Robust / Fast

- Up to **SIX (6)** Gas Sensors
- Low NO<sub>x</sub> & Total NO<sub>x</sub> Capable
- Sample Conditioning Unit For Low NO<sub>x</sub> & Low SO<sub>2</sub> Applications
- Automatic Data Logging
- PC Software with Bluetooth®
- Dilution Pump for CO Auto-Range Measurements up to 10%
- Real-time data reading on Smartphone



NO, O<sub>2</sub>, CO, NO<sub>2</sub>, SO<sub>2</sub>, C<sub>x</sub>H<sub>y</sub> (HC)



Field Replaceable Sensors



Auto-Zero in the Flue



PC Software with Bluetooth®



Full Color Graphic Display



iOS and Android Mobile Applications

| Parameter   | Sensor          | Range         | Resolution | Accuracy   |
|---|-----------------|---------------|------------|--|
| O <sub>2</sub>  | Electrochemical | 0 - 25%       | 0.1%       | ±0.2% vol  |
| CO-H <sub>2</sub> compensated w/<br>built-in NOx filter | Electrochemical | 0 - 8000 ppm  | 1 ppm      | ±10 ppm <200 ppm<br>±5 % rdg up to 2000 ppm<br>±10 % rdg >2000 ppm                                       |
| CO diluted  | Electrochemical | 0.8 - 10.00%  | 0.1%       | ±20% rdg   |
| CO <sub>2</sub>   | Calculated      | 0 - 99.9%     | 0.1%       |  |
| NO  | Electrochemical | 0 - 5000 ppm  | 1 ppm      | ±5 ppm <100 ppm<br>±5% rdg for >100 ppm  |
| NO <sub>2</sub>   | Electrochemical | 0 - 1000 ppm  | 1 ppm      | ±5 ppm <100 ppm<br>±5% rdg for >100 ppm  |
| Low NO  | Electrochemical | 0 - 500.0 ppm | 0.1 ppm    | ±2 ppm <40 ppm<br>±5% rdg for >40 ppm  |
| Low NO <sub>2</sub>                                     | Electrochemical | 0 - 500.0 ppm | 0.1 ppm    | ±2 ppm <40 ppm<br>±5% rdg for >40 ppm  |
| NOx   | Calculated      | 0 - 5000 ppm  | 1 ppm      |  |
| SO <sub>2</sub>   | Electrochemical | 0 - 5000 ppm  | 1 ppm      | ±5 ppm <100 ppm<br>±5% rdg for >100 ppm  |
| Low SO <sub>2</sub>                                     | Electrochemical | 0 - 500.0 ppm | 0.1 ppm    | ±2 ppm <40 ppm<br>±5% rdg for >40.1 ppm  |
| CxHy (HC)   | Pellistor       | 0 - 5%        | 0.01%      | ±0.25 vol  |
| H <sub>2</sub> S  | Electrochemical | 0 - 500.0 ppm | 0.1 ppm    | ±5 ppm <125.0 ppm<br>±4 % rdg for <500.0 ppm   |
| Tair  | Tc K            | -20 to 1250°C | 0.1°C      | ±0.5 °C from 0 to 100 °C<br>±0.5% rdg from 101 to 1250 °C  |
| Tgas  | Tc K            | -20 to 1250°C | 0.1°C      | ±0.5 °C from 0 to 100 °C<br>±0.5% rdg from 101 to 1250 °C  |
| Pressure/Draft  | Semiconductor   | -10 à 200 hPa | 0.01 hPa   | ±1 % rdg from -2.01 to -10.00 hPa<br>±0.02 hPa from -2.00 to +2.00 hPa<br>±1% rdg from +2.01 to +200 hPa |
| Excess air  | Calculated      | 0 - 850%      | 1%         | -  |
| Efficiency  | Calculated      | 0 - 100%      | 0.1%       | -  |

## Ordering Information

| Model #    | Description  |
|------------|--|
| E6000-5DS  | E6000 Kit with O <sub>2</sub> , CO, NO, <b>NO<sub>2</sub></b> , <b>SO<sub>2</sub></b> Gas Sensors & CO Dilution Auto-Range to 10%, <b>Upgradeable</b> to 6th Gas Sensor*                         |
| E6000-5DC  | E6000 Kit with O <sub>2</sub> , CO, NO, <b>NO<sub>2</sub></b> , <b>CxHy(HC)</b> Gas Sensors & CO Dilution Auto-Range to 10%, <b>Upgradeable</b> to 6th Gas Sensor*                               |
| E6000-5SC  | E6000 Kit with O <sub>2</sub> , CO, NO, <b>SO<sub>2</sub></b> , <b>CxHy(HC)</b> Gas Sensors & CO Dilution Auto-Range to 10%, <b>Upgradeable</b> to 6th Gas Sensor*                               |
| E6000-5SH  | E6000 with O <sub>2</sub> , CO, NO, <b>SO<sub>2</sub></b> , <b>H<sub>2</sub>S</b> Gas Sensors & CO Dilution Auto-Range to 10%, <b>Upgradeable</b> to 6th Gas Sensor*                             |
| E6000-6DSH | E6000 Kit with O <sub>2</sub> , CO, NO, <b>NO<sub>2</sub></b> , <b>SO<sub>2</sub></b> , <b>H<sub>2</sub>S</b> Gas Sensors & CO Dilution Auto-Range to 10%, <b>Upgradeable</b> to 6th Gas Sensor* |
| E6000-6DSC | E6000 Kit with O <sub>2</sub> , CO, NO, <b>NO<sub>2</sub></b> , <b>SO<sub>2</sub></b> , <b>CxHy(HC)</b> Gas Sensors & CO Dilution Auto-Range to 10%, <b>Upgradeable</b> to 6th Gas Sensor*       |

\*All Configurations Available With Low NO, Low NO<sub>2</sub> and/or Low SO<sub>2</sub> Sensors

## Standard Probe Details

- 300 mm Probe
- 800°C max
- 3 m Dual Hose

## Long Probe & Hose

- 750 mm probe
- 800 °C max
- 3 m Dual Hose

## Long & High Temp Probe & Hose

- 1 m or 1.5 m Probe
- 1200°C max
- 3 m Hose

## Hose Extentions

- 3 m Length Available

## E6000 Kits

- New iOS & Android App (Real-time data reading & QR code Scanning)
- CO<sub>2</sub> % Calculation
- Combustion Efficiency, Losses, & Excess Air Calculations
- Draft & Differential Pressure
- Temperature Measurements
- Large Color Display
- 2000 Test Internal Memory
- Bluetooth® Connectivity
- Long Lasting Rechargeable Battery & AC Charger
- Gas Sampling Probe & Hose
- Water Trap with Filter Cartridge
- Magnetic Rubber Holster
- PC Software & USB Cable
- Operating Manual & Quick Start Guide
- Calibration Certificate
- ABS Hard Carrying Case

## Standards

- RoHS & RAEE
- EN 50379-1
- EN 50379-2

