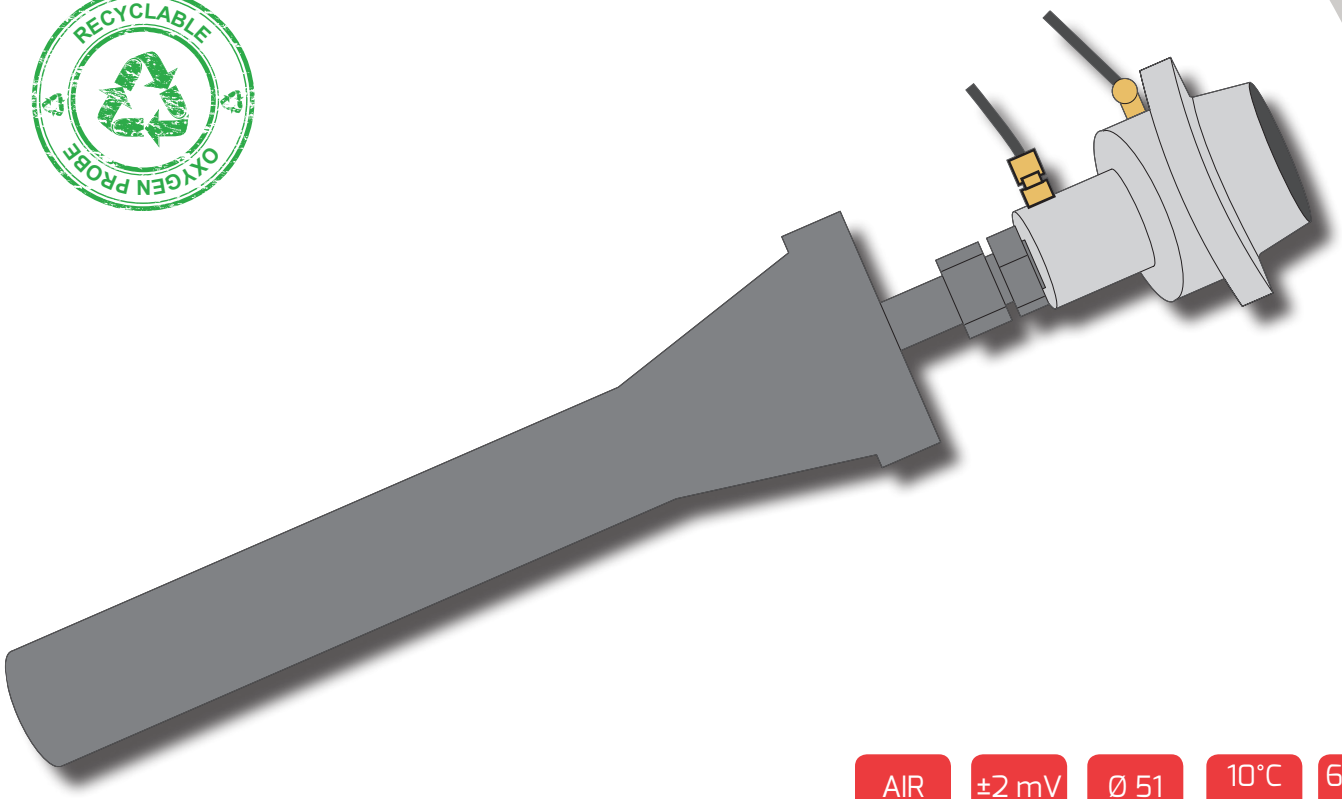
econox

ISO 9001 - ISO 14001 - OHSAS 18001

Swiss quality since 1984

%O_2

CarboProbeLT



AIR | ±2 mV | Ø 51 | 10°C min | 600°C max

AMPHENOL 4-pin | %O_2 | K

Industry-grade oxygen probe for temperatures below 600°C (1100°F)

The ***CarboProbeLT*** is a low-temperature heated probe, intended for use in flues and boilers where the temperature of the gases is below 600°C (1100°F).

A heater is incorporated to maintain a working temperature for the sensor.

Separate instrumentation is required to provide:

> Power and temperature control for the heater
> Control of purge timing
> Control of purge and reference gas

Specifications

Output
0 to 1200 mV

Readout impedance
This probe should be used with controlling, recording, and indicating instruments having input impedance of 8 megaohms or higher.

Accuracy
±2 mV in normal operating range

Response time
Less than 1.0 second

Thermocouple
K

Operating temperatures
10°C (50°F) to 600°C (1100°F)

Available lengths
300 mm (11.8"), 400 mm (15.7"), 500 mm (19.7"), 600 mm (23.6"), 700 mm (27.5"), 800 mm (31.5"), 900 mm (35.4"), 1000 mm (39.4")

Reference air
Uncontaminated dry air at maximum rate of 1 L/h (28.32 cfh)

Cleaning air
Uncontaminated dry air at maximum rate of 300 L/h (8496 cfh)

External diameter
51 mm (~2")

KEY FEATURES

- Based on the ZrO_2 zirconium oxygen sensor
- Heater sealed in stainless steel can, isolating it from corrosive flue gases
- Porous filter in stainless steel to minimize dust build-up on the sensor
- Gas inlet for calibrating gases
- Purge facility, to clean the filter in-situ
- Modular construction for simple maintenance
- Compact design (~2" diameter) allows installation in small or large flues
- Integrated K thermocouple enables accurate temperature control of the heater