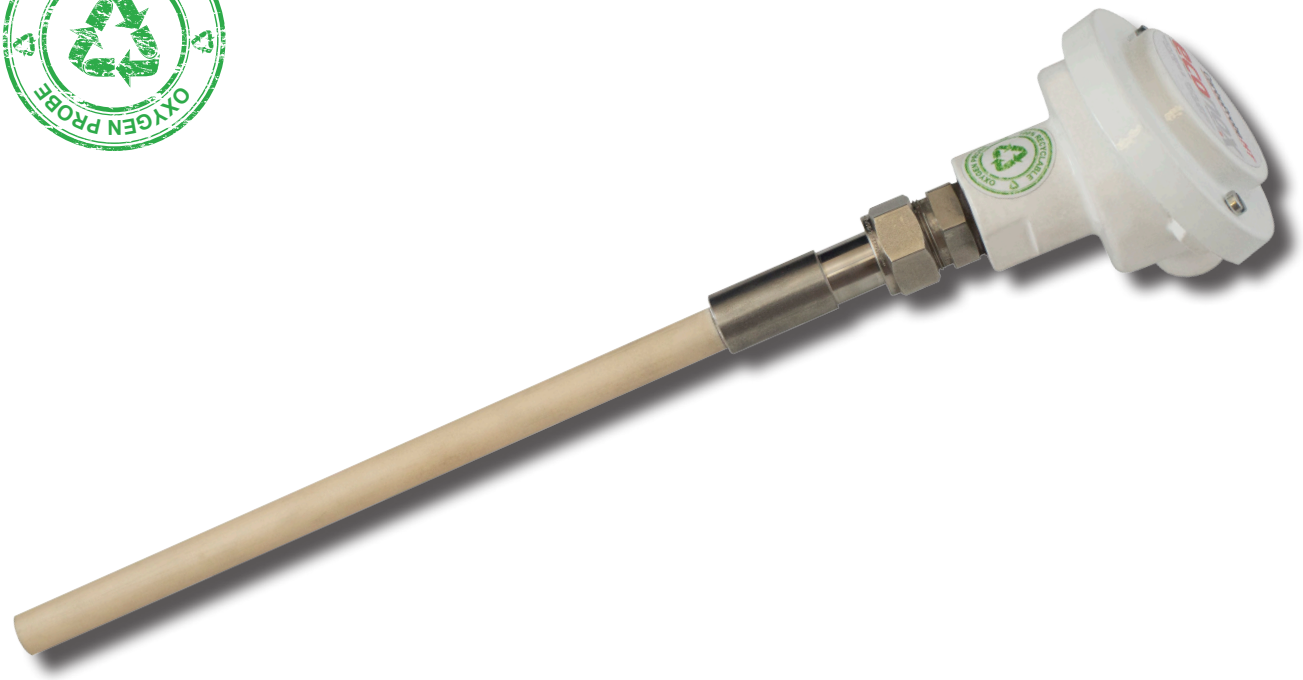
econox

ISO 9001 - ISO 14001 - OHSAS 18001

Swiss quality since 1984

$\%O_2$

CarboProbeHT



AIR	±2 mV	Ø 15	600°C min	1700°C max
AMPHENOL 4-pin	$\%O_2$	R	S	

Industry-grade oxygen probe for temperatures up to 1700°C (3100°F)

The ***CarboProbeHT*** is suitable for use at temperatures between 600°C to 1700°C (1100°F to 3100°F).

It is most often used to control the percentage of oxygen within a treatment cycle, typically in the range of 0.5% to 5% (though it can work at up to 21%).

A high quality probe...

> All components exposed to high-temperature gases are ceramic or platinum for optimum corrosion resistance.

> It is of robust construction, with an alumina ceramic sheath to protect the sensing element.

econox

ISO 9001 - ISO 14001 - OHSAS 18001

Swiss quality since 1984

$\%O_2$

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
R, S

Operating temperatures
600°C (1100°F) to 1700°C (3100°F)

Mechanical shock
Resists mild mechanical shock; handle carefully

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"), 1100 mm (43.3")

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

External diameter
15 mm (~1/2")

KEY FEATURES

- CarboProbeHT is the latest generation of in-situ oxygen sensors for ideal temperatures of up to 1700°C (3100°F)
- Suitable for ceramic kilns, industrial furnaces, and incinerators
- Can be used to obtain efficient combustion in a kiln
- Can also be used to control reduction in a kiln
- The probe can be installed anywhere in the kiln or furnace
- The probe can be used at any orientation for temperatures up to 1100°C (2000°F), but should be placed vertically at higher temperatures
- Every probe is 100% tested with certification; certificates are enclosed with each probe
- CarboProbeHT can be used in a closed-loop system to regulate the air or fuel supply