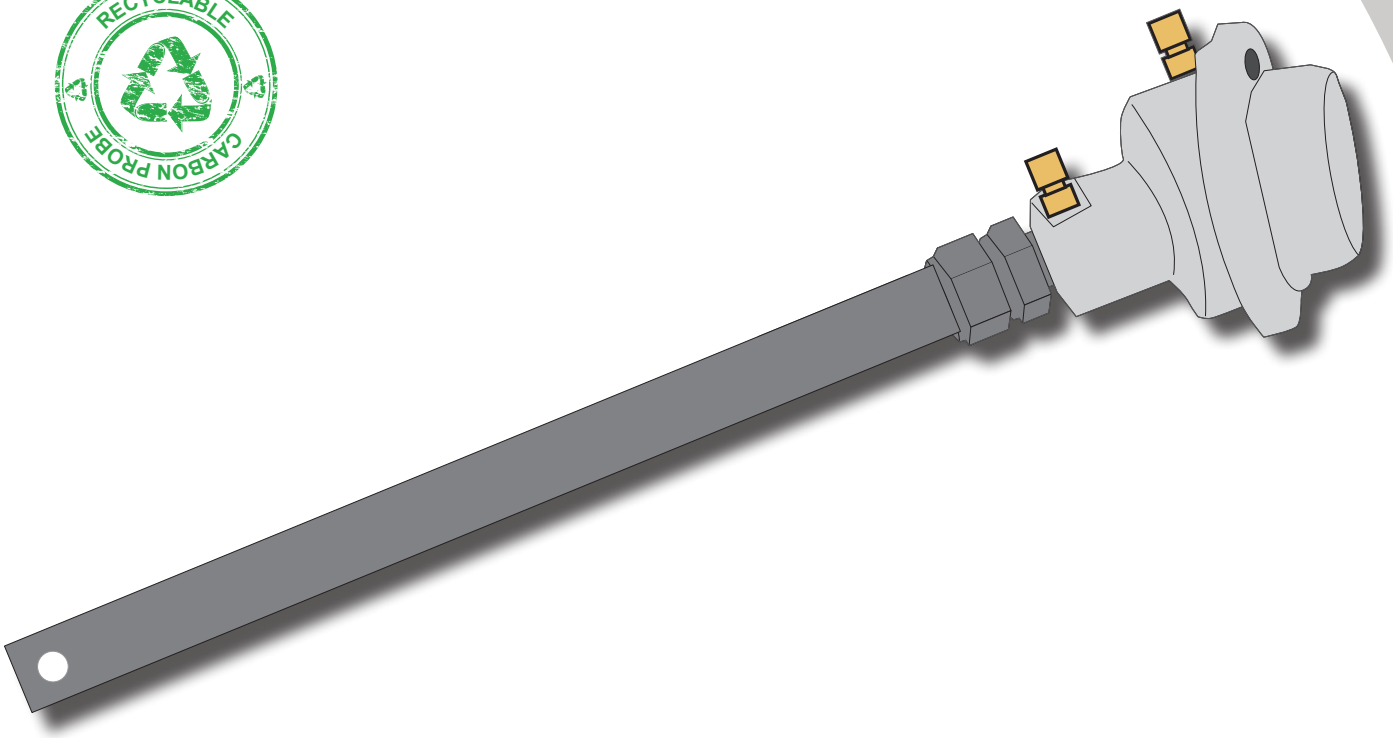
econox

ISO 9001 - ISO 14001 - OHSAS 18001

Swiss quality since 1984

%C

CarboProbeZS Pro



AIR | ±0.05C | Ø 25 | 600°C min | 1150°C max

LEMO 4-pin | %C | K | S

A probe for difficult working conditions

The ***CarboProbeZS Pro*** was developed for very difficult working conditions. It is based on the ZrO_2 C-700 electrolyte and offers excellent accuracy for the measurement of carbon potential (%C) and temperature (°C/°F).

High quality probe

> Designed for difficult working conditions
> Reduced stress on tube = reduced breakage risk
> Simple, effective concept = high reliability

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
±0.05 weight percent C in normal operating range

Response time
Less than 1.0 second

Thermocouple
K, S, or without

Operating temperatures
600°C (1100°F) to 1150°C (2100°F)

Mechanical shock
Resists mild mechanical shock; handle carefully

Available lengths
500 mm (19.7"), 650 mm (25.6"), 750 mm (29.5"), 850 mm (33.5"), 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
25 mm (~1")

KEY FEATURES

- Outer electrode has gone through a special surface treatment that reduces corrosion and metal dusting significantly
- Designed for difficult working conditions
- Ideal for use in carburizing, carbonitriding, neutral hardening, and gas generator applications
- Every probe is 100% tested with certification; certificates are enclosed with each probe
- High reliability of the probe thanks to a simple and effective concept
- Interchangeable with all oxygen probes or carbon sensors
- Low investment resulting in an important improvement of heat treatment