



The ECONOX **CarboProbe™ ST-E** probe was developed for very difficult working conditions. It is based on the new ZrO₂ C3M electrolyte and offers excellent accuracy for the measurement of carbon potential (%C) and temperature (°C)

THIS PROBE IS 100% COMPATIBLE WITH THE EURO THERM/SE/BARBER-COLMAN PROBE.

IT IS AN UPDATED VERSION, MORE ROBUST AND PATENTED.



KEY FEATURES

- Designed for difficult working condition
- Based on the brand new SIRO₂ ZrO₂ C3M proven electrolyte (SIRO₂ C700 also available)
- 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.
- Reduces stress on the 4-bore tube, reducing incidents of breakages.
- Can also be supplied with an outer protective ceramic sheath.
- Low investment resulting in an important improvement of heat treatment

Output	0 to 1200 mV
Readout impedance	% Carbon sensors should be used with controlling, recording and indicating instruments having input impedance of 10 megohms or higher.
Response time	Less than 1.0 second
Thermocouple	Type K, S, N or without
Operating Temperature	600°C to 1150°C
Mechanical shock	Resist mild mechanical shock. Handle carefully
Thermal shock	Please place into hot furnace or remove from hot furnace over a 10 minute time interval
Available length (X)	350mm (11.8"), 500mm (19.7"), 650mm (25.6"), 750mm (29.5"), 850mm (33.5"), 1000mm (39.4"), 1200mm (47.2"), 1300mm (51.2")
Reference air	Uncontaminated dry air at maximum rate of 1-6 l/h
Cleaning air	Uncontaminated dry air at maximum rate of 300 l/h (see user manual for more cleaning recommendation)

