



The ECONOX CarboProbe ZI pro features a ball as a measuring element. This evident and exclusive concept allows us to provide you with a high quality product offering and precise accuracy for the measurement of carbon potential (%C) and temperature (°C)

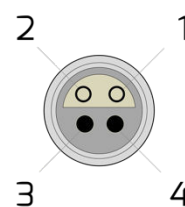
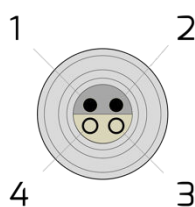
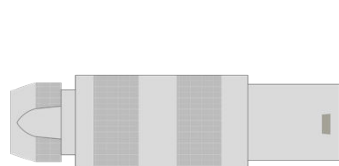
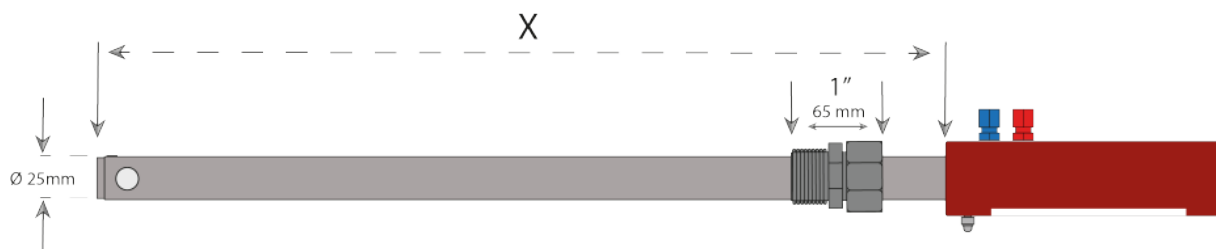
The ZrO₂ ball as a measuring element has been shown to be very reliable and robust. This patented solution has not ceased to evolve for more than 20 years.



KEY FEATURES

- **Thermal shock resistant (can be placed or removed from furnace quickly)**
- **Interchangeable ZrO₂ ball used as a measuring element**
- **Can also be supplied with an outer protective ceramic**
- 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

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
Thermocouples	Type K, N, S or without
Operating Temperatures	600°C to 1150°C
Mechanical shock	Resists mild mechanical shock. Handle carefully
Thermal shock	Resists thermal shock
Available length (X)	350mm (11.8"), 500mm (19.7"), 650mm (25.6"), 750mm (29.5"), 850mm (33.5"), 1000mm (39.4"), 1200mm (47.2")
Reference air	Uncontaminated dry air at maximum rate of 20 - 30 l/h
Cleaning air	Uncontaminated dry air at maximum rate of 300 l/h



1: Th+
2: Th-
3: O₂-
4: O₂+

CONNECTOR FRONT VIEW