



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)

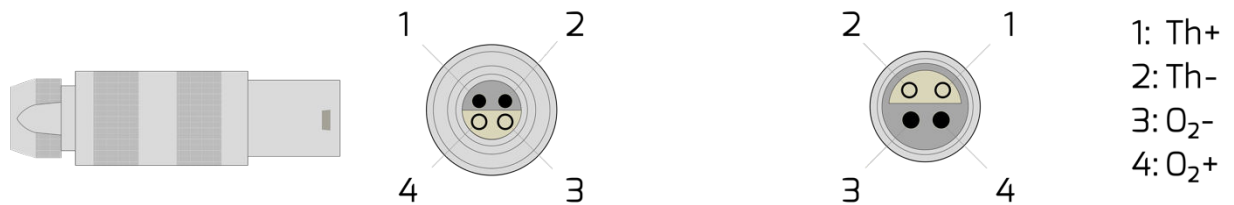
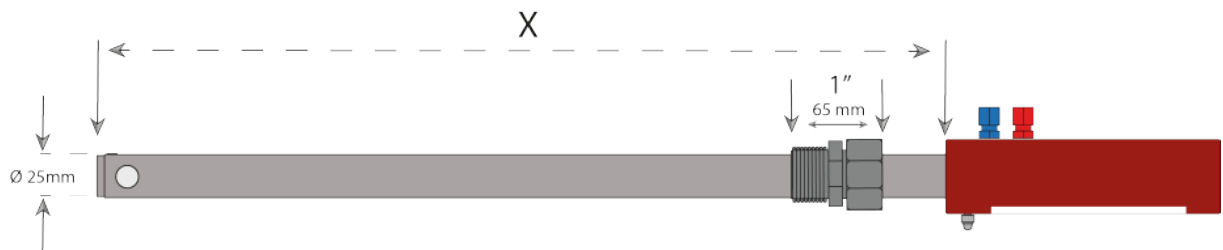
The ZrO₂ ball as a measuring element has been shown to be very reliable and robust. This patented solution has not ceased to evolve for more than 20 years.



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

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|-------------------------------|---|
| 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 |



CONNECTOR FRONT VIEW