

CorroZoa

The CorroZoa is a data logging Zero Ohm Ammeter designed for compatibility with Force's CorroWatch and CorroRisk chloride monitoring probe systems. The CorroZoa will measure half-cell potential, corrosion current, and temperature. The unit can either be used manually or automated and left as a data logger.



Custom Solutions

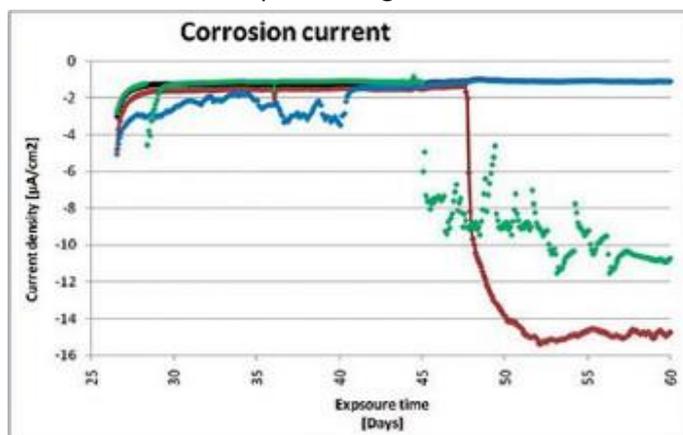
PCTE can also provide custom termination ladders or enclosures to make collecting data from multiple probe locations trouble free.

Half-Cell Potential

Half-Cell potential measurements are the potential difference between a reference electrode and the mild steel electrode of a corrosion probe. This value in millivolts relates to the probability that the electrode is corroding, but cannot be used to determine the corrosion rate.

Corrosion Current

The graph at right illustrates data collected from five electrodes. The Corrosion current is the electric current density at a particular electrode compared to a reference electrode, and is a direct measure at the rate at which the corrosion reaction is proceeding.



Features

- Unique battery-powered instrument for measuring low corrosion current
- Can be pre-set for automated measurement and data logging of up to 6 carbon steel electrodes
- Registers connect values of potential and temperatures
- Measuring results are transferred via USB
- Measuring channels
- 6 probe corrosion current/potential
- Temperature
- Log up to 1024 measurements
- Designed for harsh environment (IP 65)
- Battery lifetime approx. 60 hours

About PCTE

PCTE have over 30 years' experience in the measurement and testing of construction materials. PCTE can provide more than just the equipment, they can provide expert training. PCTE have a service centre in Sydney in which they can provide calibration, repairs and warranty repairs.

Other Equipment

PCTE supply three main ranges: NDT, Lab and Geotech Instrumentation.

NDT includes: Rebound Hammers, Covermeters, Ultrasonics, GPR, Corrosion Testing, Coating Testing and Foundation Testing

Lab includes equipment for: Concrete, Cement, Aggregate, Soil, Asphalt and Metal

Geotech Instrumentation includes: Strain Gauges, Piezometers, Inclometers, Extensometers, Tiltmeters, Load Cells and Dataloggers