



Perth
West Perth
0408 034 668
Brisbane
Toowong
0419 477 715

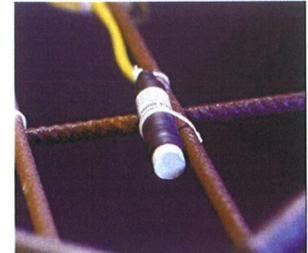
Melbourne
Niddrie
0428 315 502
Sydney
Belrose
0418 381 709

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Camur II – Permanent Corrosion Monitoring



Operation with ERE 20 Electrode



ERE 20 electrodes are long life manganese dioxide reference electrodes that can be used to monitor reinforcing steel corrosion state and also to control cathodic protection systems.

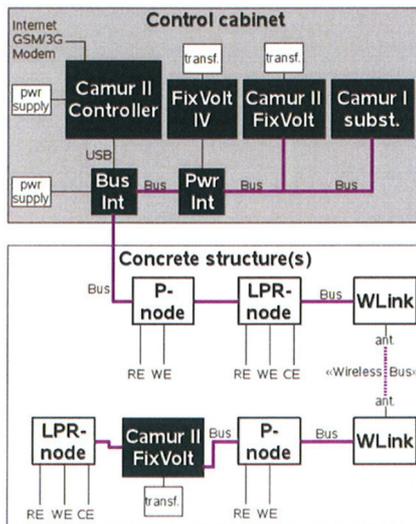
When interfaced with a Camur II system the system can either continuously measure potentials to provide corrosion information or can perform scheduled potential decay measurements which will indicate the proper operation of potential measurement.

Introduction

Camur II is a distributed data logger system offered by Force Technology designed for measurements in concrete. The system is fully scalable, as capable of logging a few sensors in one structure as of dozens in structures distributed over hundreds of meters.

Camur II Features

- Digital bus interface requires only basic shielded copper cable



- Galvanic separation between analogue and digital circuitry prevents interference
- Software for monitoring and control included
- Continuous measurements aid identification of trends
- Once installed the system needs no operator, it will operate automatically and changes can be made remotely
- Modular system allows easy expansion and separation between logging points
- Signal is digitized close to sensors to reduce error
- Plug and Play operation eases installation and service

Operation with CorroWatch/CorroRisk Sensor

Ladder probes are used to monitor the progress of chloride or



carbonation corrosion fronts through the concrete cover of structures. CorroWatch sensors are cast in to new structure and CorroRisk sensors are retrofitable to existing structures.

“Corrowatch Nodes” are modules to connect to Force’s ladder probes, each node periodically monitors temperature and corrosion rate using linear polarisation resistance.

About Force Technology

Force Technology is a Danish company who focus upon the innovative development and use of knowledge and technology, with strong expertise in non-destructive testing services for concrete structures.

About PCTE

PCTE have over 30years experience in the measurement and testing of concrete. With experience in research, consulting and construction they are able to assist you in reviewing the issues and developing solutions. PCTE can provide more than just the equipment. They can provide leading technical support for your business.