



MULTIPLE ELEMENT PROBE

Corrosion Monitoring Probes for Reinforced Concrete Structures

The Multiple Element Probe system consists of an innovative instrumentation package which allows for the long term performance evaluation of new and existing reinforced concrete structures.

This monitoring system provides early indications of corrosion activity and rate before structural damage occurs.

This non-destructive diagnostic technique allows for comparison between predicted and actual in-situ corrosion parameters.

MEP's are installed at key locations within the structure with cabling from each array of probes terminating at a local instrumentation enclosure.

Engineering packages are customized to meet with your technical and budgetary requirements.



Features

- Each MEP is capable of monitoring chloride/moisture ingress and corrosion of reinforcement utilizing electrochemical corrosion tests. These tests include; Linear Polarization Resistance, Corrosion Potential, A.C. Resistance, and Macrocell Corrosion Current. For additional information, please refer to Testing Configurations overleaf.
- Monitor critical structures from test enclosures located in safe access areas.
- Perform site surveys without traffic disruptions.
- Monitor structures manually from site or via telephone link and remote monitoring equipment. Please refer to Monitoring Configuration overleaf.

History

- Corrosion Service has supplied MEP systems for various domestic and international projects including; 316 stainless, galvanized, and carbon steel reinforced structures with high performance concrete.
- These systems are monitored either manually or remotely via telephone line.



MEP's installed at multiple locations over this bridge structure allow for site surveys without traffic disruptions and associated safety concerns.

Engineering Services

- Site specific engineering packages include: design drawings, installation procedures, and operating manuals.
- Equipment packages include: supply of MEP's, cabinets, and specialty installation hardware.
- Supply of instrumentation packages for site data measurement.
- On site technical support during installations.
- Technical training for inspectors and maintenance staff.
- Remote monitoring of sites via telephone link.
- After sales technical support and data interpretation services.

Ordering Information

Part No. CMP3E6C-XX

where: XX = Wire Length

For additional information please contact the office nearest you.

Branch Offices

Halifax Tel: (902) 468-7878
Fax: (902) 468-2187

Montreal Tel: (450) 449-2600
Fax: (450) 449-6353

Sarnia Tel: (519) 336-0740
Fax: (519) 336-5934

Calgary Tel: (403) 233-2601
Fax: (403) 233-2658

Vancouver Tel: (604) 521-0572
Fax: (604) 521-0910

Dubai, Tel: +971-4-347-7660
U.A.E. Fax: +971-4-347-0969

