The rugged, multi-purpose environmental monitoring and telemetry platform

- Monitor a vast array of environmental sensors and equipment
- Easily connect multiple AquaTROLL and LevelTROLL sensors
- Remote data access with alerts, alarms and telemetry-ready for effective low cost control and rapid response
- Solar panel kit for remote locations
- Field-tested and proven

www.macemeters.com
Multiple cards for multiple sensor applications

The HydroMace XCi (multiple card interface) allows the user to efficiently monitor an array of environmental sensors. It’s a smart packaged monitoring solution that provides remote data access with alerts and alarms. It’s also telemetry-ready for effective low cost control and rapid response. Users can install any combination of the MACE cards shown, in the five available card slots.

Choose the right card/s for your application to tailor the HydroMace to your exact monitoring requirements now and in the future.

In-Situ Aqua TROLL 600 multiparameter sonde
EchoFlo Ultrasonic Depth Level Sensor
In-Situ Aqua TROLL 600 multiparameter sonde
In-Situ Level TROLL (depth/temp.) sensors
Water Samplers
Rain Gauges
Weather Stations

Ready-to-Go straight out of the box
The MACE HydroMace XCi system includes:
✔ Data logger
✔ Battery
✔ LCD display
✔ Solar regulator
✔ Multiple cards (application dependent)

All this in one lockable, ruggedized, weatherproof enclosure. No more hunting around for bits and pieces. In most cases you can be up and monitoring in just a couple of hours.

Easily configure with MACE FloCom™
• Free configuration and diagnostic software
• Powerful, easy to use Windows® interface
• Painless point ‘n’ click channel calibration
• No proprietary coding knowledge required

Remote configuration, diagnostics and data retrieval with MACE WebComm
• The MACE WebComm card provides HydroMace XCi the ability to be remotely configured and diagnosed
• Internal logged data is automatically uploaded to MACE or HydroVu data servers
• SMS/Email alert subscription service available
• Upload to 3rd party data servers

Easily connect In-Situ sensors
• Plug ‘n’ play In-Situ sensors with an SDI-12 card
  - Aqua TROLL 600 multiparameter sonde
  - Aqua TROLL (depth/EC/temp.) sensors
  - Level TROLL (depth/temp.) sensors
• Support up to 10 sensors per SDI-12 card
• Powerful SDI-12 setup ability

Flume & weir equations built-in
• Native support for:
  - Rectangular weirs
  - V-notch weirs
  - Parshall Flumes
  - Repligle, Palmer-Boesel flumes
• Lookup table for other rated structures
• Multiple instances of each flume/weir

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In-Situ Level TROLL (depth/temp.) sensors
In-Situ Level TROLL (depth/temp.) sensors
Water Samplers
Weather Stations

Solutions using HydroMace XCi

Weather Stations
Water Catchment Monitoring
Flume Monitoring
Drinking Water Leak Detection
HydroMace XCi Specifications

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<td>Operating temperature (with internal battery removed and external power used)</td>
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Note to end users: These specifications are subject to change at any time without notice. MACE takes no responsibility for the use of these figures. Please consult MACE for the latest specifications before using them in contract submittals or third party quotes etc. MACE reserves the right to change specifications without prior warning. All quoted figures are based on test conditions and are subject to variation due to site conditions.

Five decades of innovation from the inventors of solid state data logging

MACE is an Australian owned company founded in 1968 by electrical and mechanical engineer Lawrence Campbell who recognized the importance of flow measurement and flow monitoring in the global environment. For five decades MACE has designed and manufactured electronic monitoring instrumentation including ultrasonic flow meters, data loggers and controllers. Continued commitment to research and development over the past four decades has ensured MACE’s provision of the most advanced high technology equipment for the agricultural, industrial and environmental markets.

MACE has a core team of research and development engineers who are focused on providing customer driven products that are both easy to use and withstand the test of time in often remote and harsh environmental conditions. MACE is committed to providing its clients with personalized service, training and technical back-up to ensure successful monitoring.

DFR-77 DATA LOGGER
1977 - The world’s first commercial EPROM data loggers, the MACE DFR-77 were delivered. Hundreds of these instruments were used throughout Australia and Papua New Guinea working under the harshest imaginable conditions. The EPROM data recording technique proved to be the most reliable method of electronic data storage.

HYDROMACE TRS
1984 - MACE introduced the Hydromace system which gave environmental field stations the combined capabilities of data logging, control, telemetry via telephone, radio or satellite and intelligent response to both computer or human interrogation.

HYDROMACE 2000
1992 - The HydroMace 2000 data logger provided multi-channel logging and control in water catchments, sewer treatment plants and industrial pollution applications. A leader in its time, many are still in use in catchment management and flood warning networks across Australia.

DISTRIBUTOR:

MACE - Australia
Unit 19 / 276 New Line Road
Dural, Sydney, NSW 2158, Australia
Phone: +61 2 9658 1234
Email: sales@macemeters.com

MACE - United States of America
In-Situ Inc. 221 East Lincoln Avenue
Fort Collins, CO 80524, USA
Phone: 1-800-446-7488
+1-970-498-1500
Email: sales@in-situ.com

www.macemeters.com

An In-Situ Company