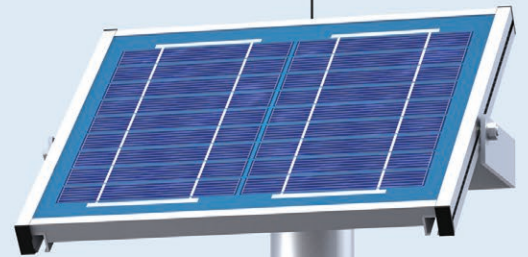


HydroMace[®]

XCI

The rugged, multi-purpose environmental monitoring and telemetry platform



**Smart Packaged Monitoring...
Ready-to-Go straight out of the box**

- ✓ 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

mace 

An  In-Situ Company

HydroMace XCI

The HydroMace XCI can be used to monitor just about any environmental sensor. Use the versatility of HydroMace XCI to monitor inputs as diverse as: Flumes & weirs, water quality sensors & rainfall gauges, drinking water flows (leak detection) and weather stations.

The HydroMace XCI continues the long heritage established by MACE five decades ago for remote data logging and telemetry.

With a fully integrated data logger, solar regulator and battery housed in one rugged weatherproof enclosure, the HydroMace XCI is built to withstand the harshest of environments. Furthermore, the tradition of the HydroMace is continued by the ability to plug 'n' play just about any environmental sensor.

With the license-free point 'n' click FloCom⁺ configuration software, no proprietary coding knowledge is required to get the HydroMace XCI going in record time!

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 utility

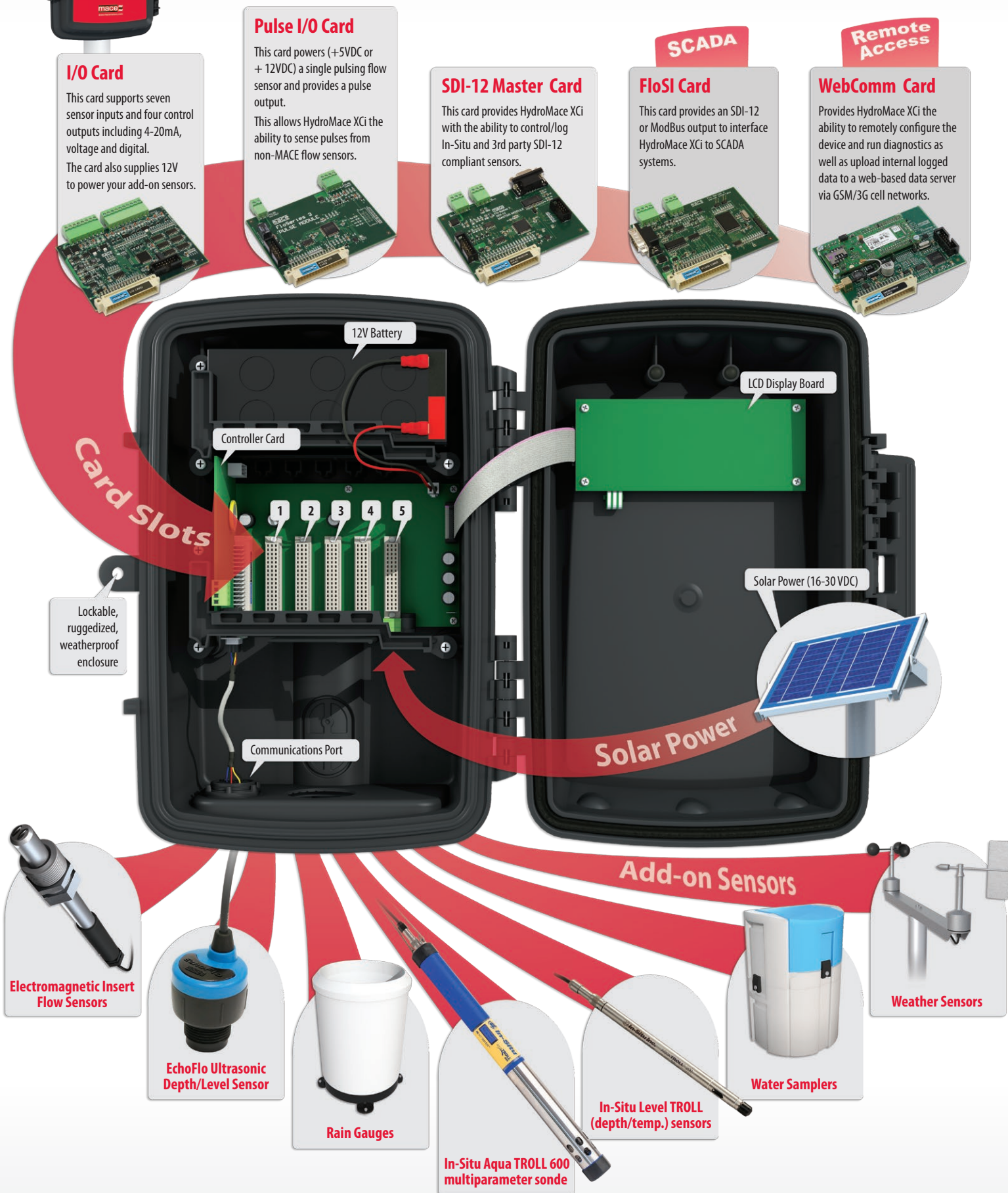
Flume & weir equations built-in

- Native support for:
 - Rectangular weirs
 - V-notch weirs
 - Parshall flumes
 - Replogle, Palmer-Bowlus flumes
- Lookup table for other rated structures
- Multiple instances of each flume/weir

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.



I/O Card

This card supports seven sensor inputs and four control outputs including 4-20mA, voltage and digital. The card also supplies 12V to power your add-on sensors.

Pulse I/O Card

This card powers (+5VDC or +12VDC) a single pulsing flow sensor and provides a pulse output. This allows HydroMace XCI the ability to sense pulses from non-MACE flow sensors.

SDI-12 Master Card

This card provides HydroMace XCI with the ability to control/log In-Situ and 3rd party SDI-12 compliant sensors.

SCADA

FloSI Card

This card provides an SDI-12 or ModBus output to interface HydroMace XCI to SCADA systems.

Remote Access

WebComm Card

Provides HydroMace XCI the ability to remotely configure the device and run diagnostics as well as upload internal logged data to a web-based data server via GSM/3G cell networks.

Card Slots

Lockable, ruggedized, weatherproof enclosure

Solar Power (16-30 VDC)

Solar Power

Add-on Sensors



Electromagnetic Insert Flow Sensors



EchoFlo Ultrasonic Depth/Level Sensor



Rain Gauges



In-Situ Aqua TROLL 600 multiparameter sonde



In-Situ Level TROLL (depth/temp.) sensors

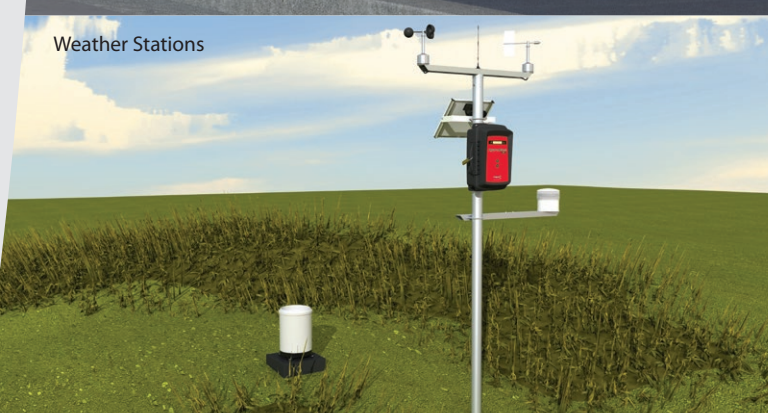
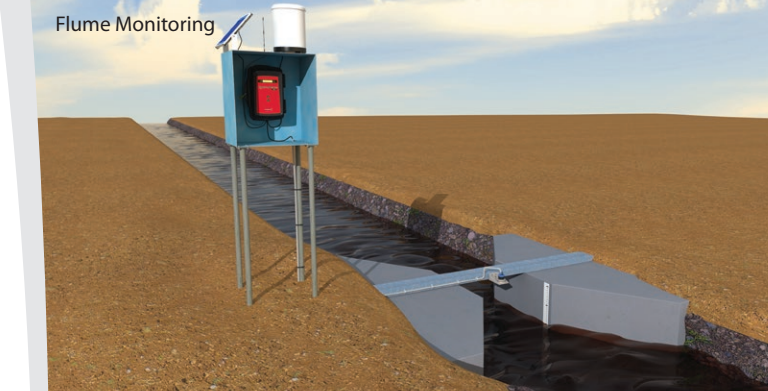
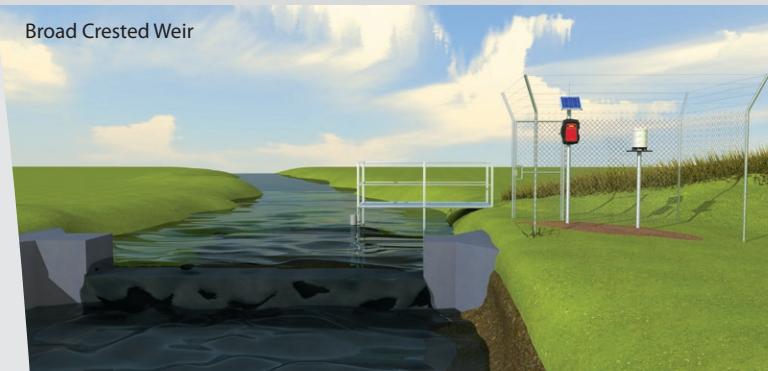


Water Samplers



Weather Sensors

Solutions using HydroMace XCI



HydroMace XCi Specifications



GENERAL

Weight	Approx. 5 kg (11 lbs.)
Dimensions	365 mm (H) x 260 mm (W) x 170 mm (D) 14.4 in. (H) x 10.2 in. (W) x 6.7 in. (D)
Enclosure rating	IP66
Enclosure material	UV stabilized polycarbonate
Operating temperature (with internal battery installed)	-15 to +50° C (5 to 122° F)
Operating temperature (with internal battery removed and external power used)	-20 to +65° C (-4 to 150° F)
Backlit display	16 character x 2 line alphanumeric LCD
Program memory	2 Mb flash (sufficient for 600,000 discrete readings)
Power	Internal 12Volt 7.2Ah battery with external solar panel or mains charger
Units of measure	User definable (metric/US)
Application software	FloCom+ PC software for system configuration, data downloading and diagnostics. Minimum system requirements - Windows® XP
Factory backup	24 months - parts and labour guarantee

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.



Authorised distributor

In Australia:

For customer service, call 1300-735-292

To email an order, ordersau@thermofisher.com

To order online: thermofisher.com

In New Zealand:

For customer service, call 0800-933-966

To email an order, ordersnz@thermofisher.com

To order online: thermofisher.com

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