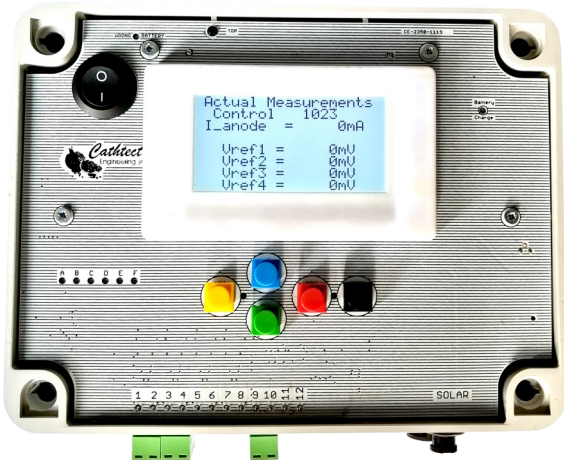


Magnesium Anode Current Controller (MACC)

Product Brochure

Following many years of development, Cathtect Engineering (Pty) Ltd. released the first **Magnesium**



Anode Current Controller (MACC) for Cathodic Protection Systems, operating on all Sacrificial (galvanic) Anode Systems, Magnesium, Aluminium and Zinc Anodes, providing automatic potential IR-FREE control, constant current, constant potential instant "OFF" control and current pick up control for internal steel water storage reservoirs, pipelines, marine structures, fresh water dams, reservoirs with metallic structures, yachts and ships.

Benefits

- ⇒ Prolongs Anode life!
- ⇒ Over-Voltage protection!
- ⇒ Simple Circuit Board replacement/repair - User Friendly!

Features of the Cathtect MACC

- ⇒ Automatic Potential control
- ⇒ IR-Free Cathodic Protection reading
- ⇒ Constant Current control
- ⇒ Max Current 6 AMPS
- ⇒ Minimum 1.0 mA (.001A)
- ⇒ Four (4) Reference Electrode inputs available
- ⇒ Uses Sacrificial Magnesium, Aluminium or Zinc Anodes
- ⇒ Compatible with NSF-61 Materials
- ⇒ *Optional Remote Monitoring available. Talk to us!*
- ⇒ Ten year Long Life battery
- ⇒ Three year warranty

Cathtect
U.S.A. INC.
Cathodic Protection Products

www.cathtectusa.com

For Water Storage Tanks—New Coatings

The type, durability and effectiveness of coating systems have improved over the years and although current requirements (current density) have dropped drastically, even some Automatic Potential Controlled Rectifiers cannot control the low current requirements. The Magnesium Anode Current Controller (MACC) now address these issues, controlling Anode current to low mA range.

AWWA and NACE Standards

The AWWA and NACE standards suggest that tank-to-water potentials be maintained between -0.850 Volts and -1.100 Volts. The Magnesium Anode Current Controller (MACC) is an IR-Free potential controller that will meet and exceed the AWWA and NACE standard criteria for complete Cathodic Protection.

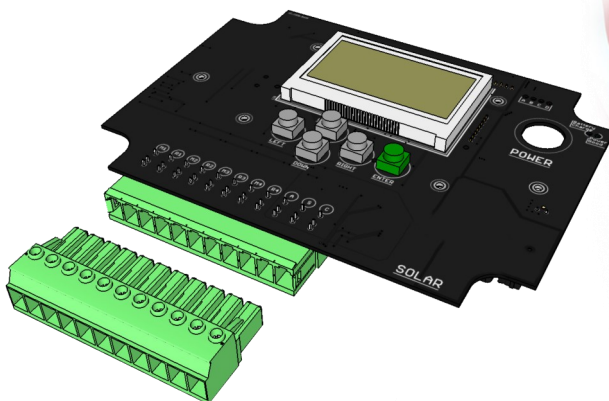
Additional Controller Applications

The Magnesium Anode Current Controller (MACC) can be utilized to control land based, submerged fresh water or marine Sacrificial (galvanic) Anode Systems that are protected using Magnesium, Aluminium or Zinc Anode type systems.

Optional: Magnesium Anode Current Controller (MACC) with Remote Monitoring Unit (RMU)

The Magnesium Anode Current Controller (MACC) unit can be ordered with a Remote Monitoring Unit (RMU) that monitors the following;

- ⇒ Tamper Alert
- ⇒ Power Input
- ⇒ "ON" / "OFF" Voltage Potentials
- ⇒ Anode Current
- ⇒ Potential Set Point
- ⇒ Net Current Pick-up
- ⇒ Battery Status



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