

# CM2 Corrosion Monitor

**Do You Have Corrosion Protection On Your Boat?  
Don't guess. Know at a glance!**

## Corrosion Monitor

The CM2 Corrosion Monitor enables the boat owner to know at all times whether the corrosion of underwater metal parts is eliminated. The monitor consists of a silver-silver chloride reference electrode to be mounted through the hull, and a meter to read the potential between reference electrode and the underwater appendages.

## Specifications of the Corrosion Monitor

- 4" wide X 5 3/4" long (102 mm x 146 mm)
- Rugged, water resistant meter
- Stainless steel face plate
- Silver-silver chloride reference electrode

## Meter Readings

Unprotected	Material	Protected
0.31	Bronze	0.55 to 0.75
0.61	Carbon Steel	0.80 to 0.95
0.75	Aluminum	0.90 to 1.05

The corrosion you wish to stop can be controlled by the addition of a platinized anode and an automatic controller. Direct current from your negatively grounded battery is discharged into the water to arrest all corrosion as set up by electrochemical decomposition of the metal. The current drain is small and is adjusted continuously for varying conditions such as hull speed, salinity and temperature of the water. The system is permanent and requires no annual replacement.



## Key Benefits

- See on a meter how much corrosion protection you have
- Know exactly when your zincs are used up
- No batteries required
- Permanent — no maintenance
- Designed to enhance the appearance of the instrument panel
- Add Capac® impressed current protection at a later date
- Designed particularly for pleasure boats
- Indicates galvanic corrosion

## CM2 Specifications

### Reference Electrode

- Through-hull fitting — 1/2" (13 mm) UNF 2A bronze for hulls up to 3" (76 mm) thick
- 8" (203 mm) diameter Silver — Silver/Chloride element disk
- 5/8" (16 mm) maximum hull projection
- Furnished complete with mounting hardware, waterproof splice and butyl rubber hull sealant

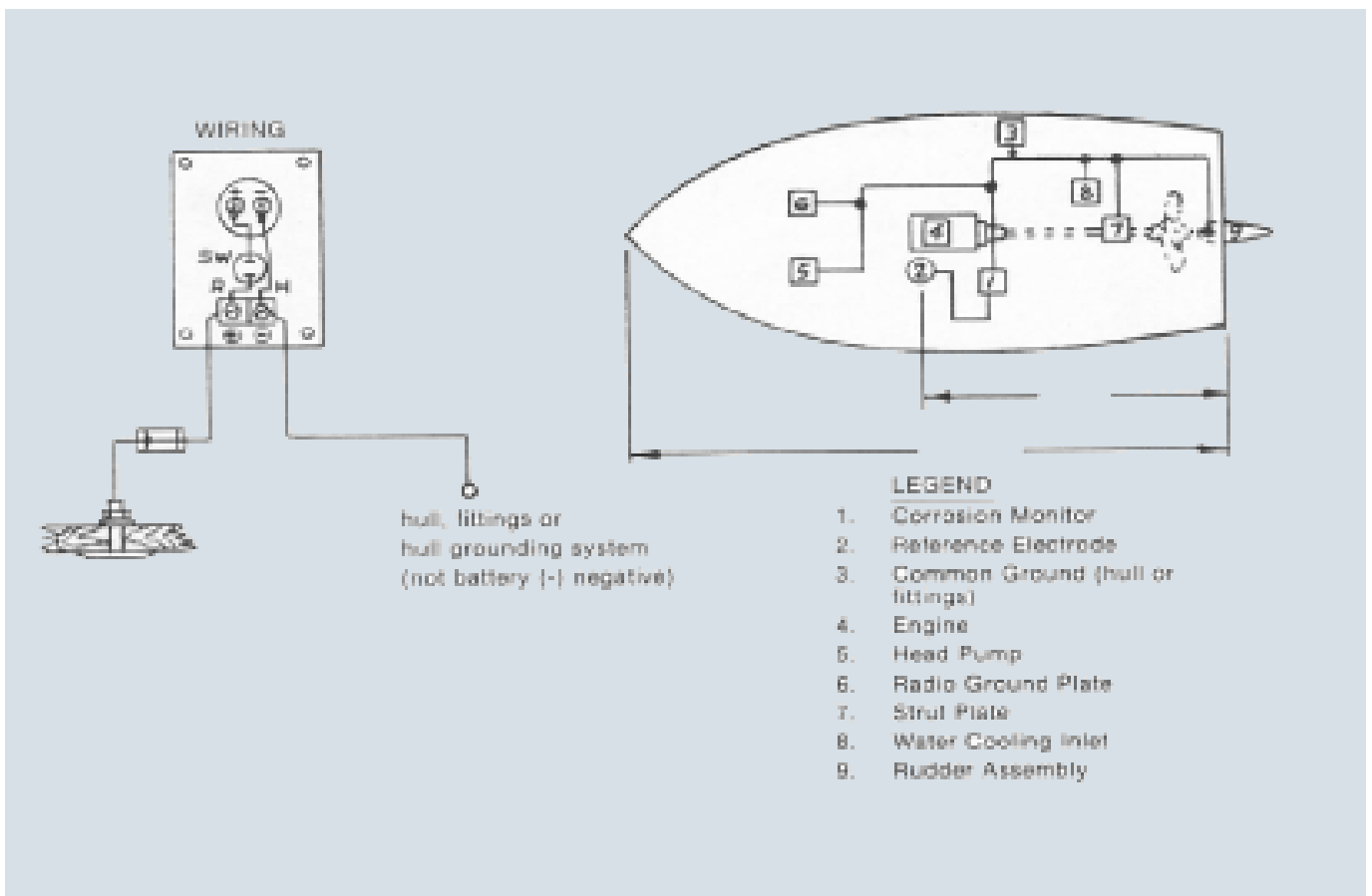
### Monitor Meter

- Sealed d'Arsonval movement with spring board jewel support and scale length of 3" (76 mm)
- Calibration 1.5V full scale at 20,000 ohms/volt
- Sealed push button with silver alloy contacts mounted on polished austenitic stainless steel panel
- Dimensions: 4" W x 5-3/4" H x 1-3/4" deep (102 mm W x 146 mm H x 46 mm deep)

### Installation

The monitor installation should be either at the helm or on the dash away from excessive spray and about three feet from the magnetic compass. Once the monitor is secured, only a two wire connection is required, one to the reference electrode and the other to hull fittings.

The reference electrode installation consists of drilling a 1/2" (13 mm) diameter clearance hole through the hull from inside of the bilge, and following the seven steps as outlined in the owners manual P/N 50186.



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