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MPS - Zinc Anode Meters

The MPS zinc anode meters (Model 2005) extend the protection of computerised vessels and the effectiveness of existing vessel monitoring systems. Options for the zinc anode meter include: eight station input – vessel monitoring, alerts to other alarm systems, results logging, and integration with vessel maintenance management systems. This increased ability to communicate will enable the zinc anode meter to play a major role in making impressed current available for all recreational and working vessels using a zinc reference electrode. The hardware and concepts are integral and simply await customer demand for initialisation of complete protection systems using the latest satellite technology.



Zinc Anode Meter – Fixed



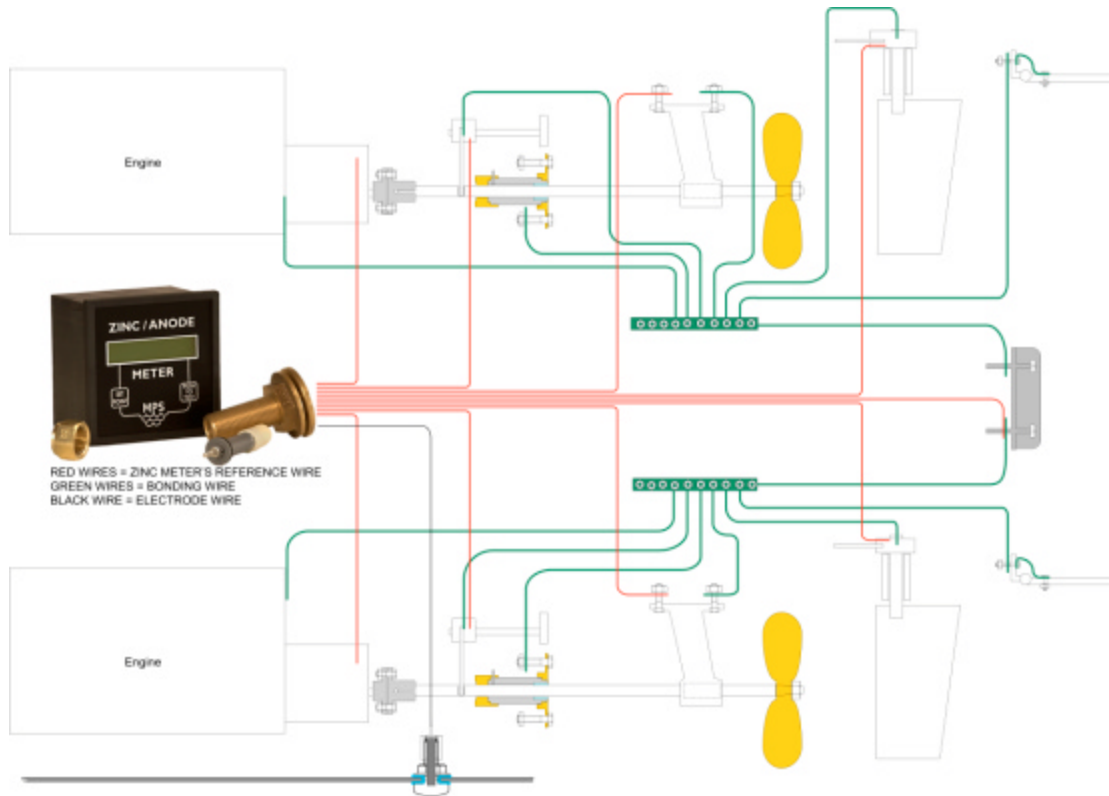
Technicians Kit (Zinc Anode Meter – Portable)

MPS - zinc anode meters are designed for use on vessels using sacrificial metal anodes for cathodic protection. The meter includes a Silver/Silver Chloride half cell or a zinc reference electrode.



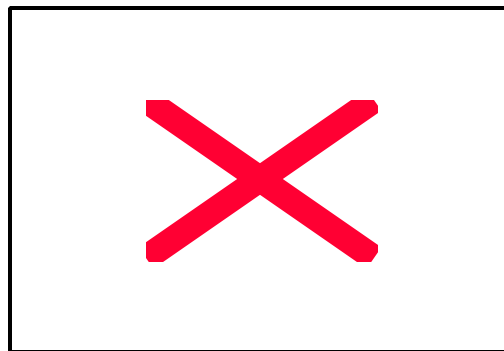
Features include:

1. Auto protection levels, factory set for easy identification of vessel's sacrificial protection level and current state or condition.
2. Calibration of sacrificial metals to ensure ultimate performance and understanding of how vessel protection is achieved.
3. Test all electrical appliances for earth-leakage and other electrical faults which may cause serious damage to the sea worthiness of the vessel.
4. Accepts - Eight reference points throughout the vessel to permit the testing of the bonding / earthing system and the individual vessel's submerged fittings.
5. Advanced design allows for the integration via USB port for future logging and programming of test results.
6. Translation into German, French, Italian, Spanish and Norwegian, etc promotes the zinc meter as a product that is easily sold and used by many nationalities.
7. Increased processing is a major design feature to allow for impressed current monitoring.
8. Using the finest laboratory grade reference electrodes, coupled with the high impedance zinc meter, allows quantifiable results to internationally recognised levels.
9. The zinc meter's reference wiring is easily stored around the cleat supplied with each portable system.
10. A protective case is supplied with each portable zinc meter ~ and has a cleanser container for maintaining the reference electrode.
11. A user manual and the automatic fault identification display's a contact point for the vessel's captain / engineer. This customer support contact and works as a business card for the rest of the vessel's life and reinforces the company profile.



The Solution to all corrosion issues (is knowledge)

Having too many anodes can repel the metal-based anti-fouling around the shaft logs, rudders and water inlet fittings, connected to the zinc. It's like putting 'like' poles of a magnet together. They will repel each other, which is leaving unprotected areas.



Growths and Contaminates almost weld themselves to skin fittings, stern-drive legs, propellers and hulls. They are a major cost factor with vessel maintenance. Contaminates increase engine temperature, fuel consumption and reduce speed. Most contaminants can be greatly reduced if not stopped, by keeping a vessel as passive and neutral as possible (lower voltage – fewer contaminants). Passive boats below -0.70mV will greatly reduce most coral growth and stop wood rot. Excessive negative voltage will attract food for various contaminants.

By frequently checking the boats bonding and zinc anodes you will identify stray faults and know that you are being effectively protected by the voltage of your zinc anode



Remember - It's cheaper to change sacrificial metal than wood rot and corroded propellers.