

IR Free DC Coupon

Model CPMP-3 for Permanent Burial



Transparency

With ever-increasing scrutiny on the energy industry, validation of corrosion protection system operation has become a key requirement for regulatory bodies to understand if critical infrastructure is protected from the risk of failure. However, sources of interference from foreign structures, overhead power lines and congested pipeline networks, make the task of obtaining this validation increasingly complex and prohibitively expensive.

This is why Corrosion Service engineered the CPMP series of IR Free DC Coupons, which eliminate all sources of error and provide a true picture of corrosion protection system operation. The CPMP is accepted by major pipeline, refinery and facility operators as a critical component of their asset integrity programs.

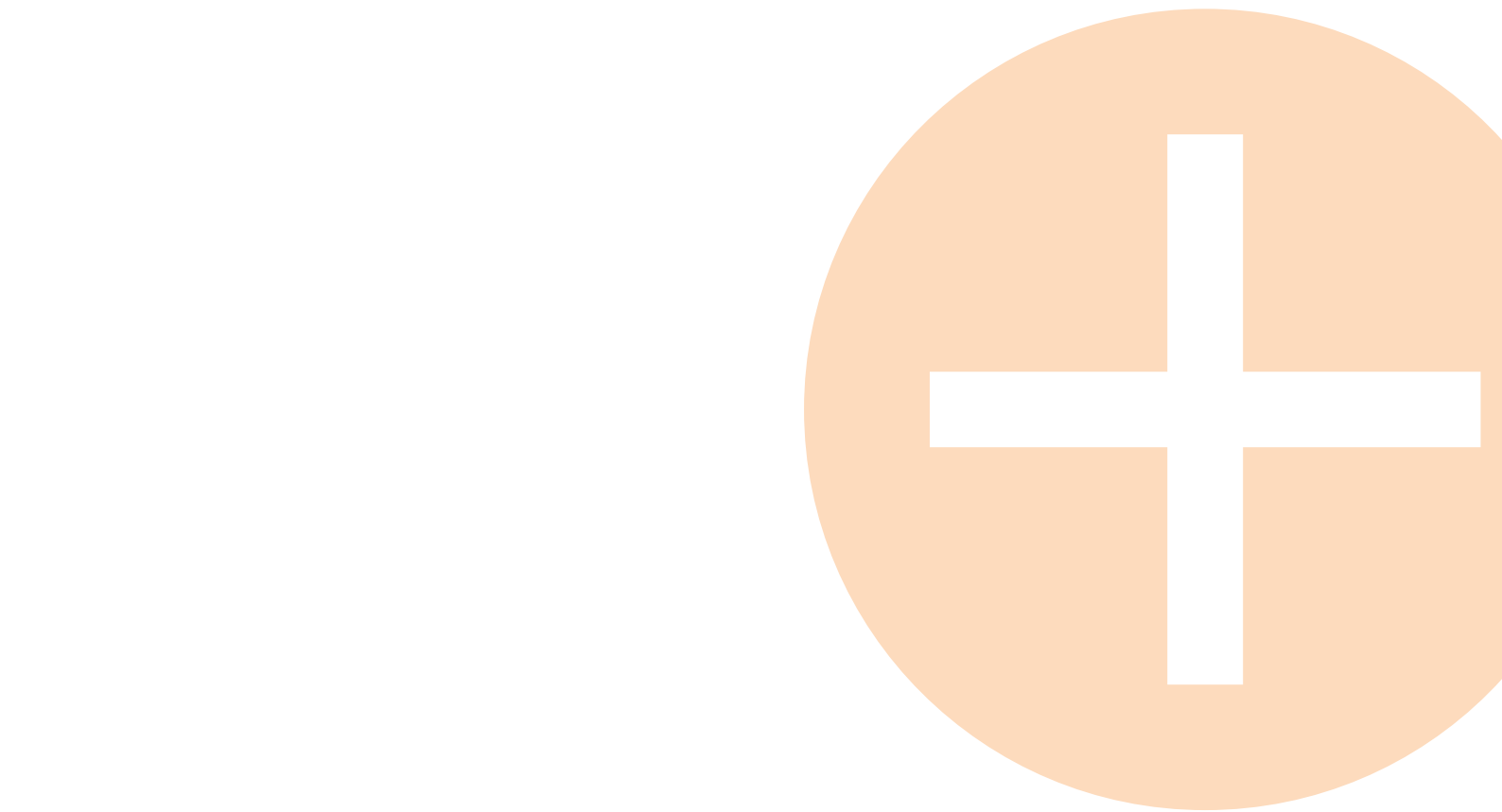
Validation

Suitable for use with both new build and existing structures, the CPMP is installed adjacent to the protected structure and contains a permanent internal reference electrode encased in a carbon steel coupon. This innovative design shields the reference electrode from external interference and provides an error-free and highly accurate reading of structure potential, current density and polarization decay.

The CPMP-3 is our newest version of the CPMP series and incorporates class-leading upgrades that improve durability and usability. When used in conjunction with the Corrosion Service ZRA zero resistance ammeter, the CPMP provides an indication of current density and further validation of corrosion protection system operation.

Features & Benefits

- + Validates corrosion prevention system operation on buried pipeline infrastructure.
- + Reduces operating costs by eliminating the need to interrupt foreign sources of interference.
- + Allows confirmation of actual versus design operating parameters.
- + Integrated zinc permanent reference electrode.
- + Geotextile moisture capturing tube.
- + Easy hydro-vac or hand excavation installation in native backfill.
- + Compatible with remote monitoring and data recording hardware.
- + Available in 10 cm² or 50 cm² coupon configurations.



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