

# Rapid-Check Test Station Cathodic Protection Testing

Easy Field Installation | Many Testing Features | Safe to Operate



## Monitor Cathodic Protection Systems for Critical Data

Many pipelines, and other critical submerged structures, utilize cathodic protection (CP) systems to prevent corrosion. For pipeline systems, test stations assist operators in monitoring the effectiveness of the CP system and are typically installed along the pipeline route at regular intervals or other strategic locations.

## Test Stations

Test stations provide direct electrical access to buried structures and provide connection points to allow a variety of CP tests. Structure and other accessory wires are routed and connected to a terminal board inside the enclosure where technicians monitor the status and effectiveness of the cathodic protection system.

## Farwest Rapid-Check Test Station

The Farwest Rapid-Check test station allows technicians the ability to obtain the most popular CP readings with a user-friendly and safe-to-operate device with minimal installation costs.



## Advantages

- Simple to Install - The Quick-Connect terminal strip allows technicians to quickly install CP test wiring, saving time and cost
- Safe to Use - The "dead" front panel and shock guard prevents human contact with electrically "hot" wires and terminals
- AC/DC Coupon Terminal - For measuring AC & DC potentials as well as "Coupon Disconnect" readings when using the provided toggle switch to disconnect the coupon from the pipeline
- Measure AC Current Density – Measured through in-line shunt or by connecting a digital multi-meter (DMM) to the appropriate terminals

*Note: 10cm<sup>2</sup> coupons are preferred for converting the measured value to amperes per meter squared (A/M<sup>2</sup>)*

## Measurement Options

- Pipe-to-soil potentials using a portable or stationary reference electrode
- Coupon measurements:
  1. Native pipe-to-soil potential
  2. CP "ON" potential
  3. Coupon "disconnect" potential (emulating an instant CP "OFF" potential)
  4. AC current density for pipelines in AC power transmission corridors



You can find more information about the  
**Rapid-Check Test Station**  
at [FarwestCorrosion.com](http://FarwestCorrosion.com) or call Farwest and order yours today!



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## Rapid-Check Test Station Components

- Lexan Test Station Body, 3" Diameter
- Pipeline Connection Terminals (black) (2 each)
- Stationary Copper Sulfate Reference Electrode Terminal (yellow)
- Native Coupon Terminal Isolated from all Structures (white)
- AC/DC Coupon Terminal (green) with Momentary Disconnect Switch
- 0.1 Ohm Shunt
- Printed Nameplate
- "Dead" Front Panel with Pre-Wired Banana Jacks
- Rear Shock-Guard Safety Cover
- 3" x 6' Long PE Standpipe
- Quick-Connect Terminal Strip with Cable Connection Guide
- Weather Resistant Schematic Drawing



## Installation

Every Rapid-Check Test Station is pre-wired to avoid time-consuming wiring in the field. Technicians can simply attach the appropriate wire to the specified terminal position avoiding costly errors.

## Interface

Many CP operators are installing Remote Monitoring Units (RMUs) to obtain real-time field data. The Rapid-Check test station can interface with many popular RMU products with the RMU installed adjacent to the Rapid-Check test station.

## ORDERING THE RAPID-CHECK TEST STATION

Part Number	07-18130
Test Station Color	Specify test station color
Optional Equipment Needed	Reference electrodes, test coupons, test lead wire, and Cadweld or pin braze connections.
Warranty	1-year against defects in materials and workmanship
Instructions	Included



## About Farwest Corrosion Control

Farwest Corrosion Control is an industry pioneer and leader in comprehensive cathodic protection and corrosion control products, services, and solutions to protect critical infrastructure in the gas, oil, water, wastewater, power, marine and construction industries. Services include product distribution and fabrication, turn-key system installation, engineering design, and technical field services. With the largest inventory nationwide, Farwest can provide same-day shipping and one-to-three-day delivery to most areas in the US.

Founded in 1956, the firm is a Minority Business Enterprise headquartered in Downey, CA. Farwest has seven regional operations, over 170 employees nationwide and is known for its outstanding reputation, quality work, technical expertise and customer trust.

**Retrieve Multiple CP Structure Readings  
Order Your Rapid-Check Test Station Today**



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