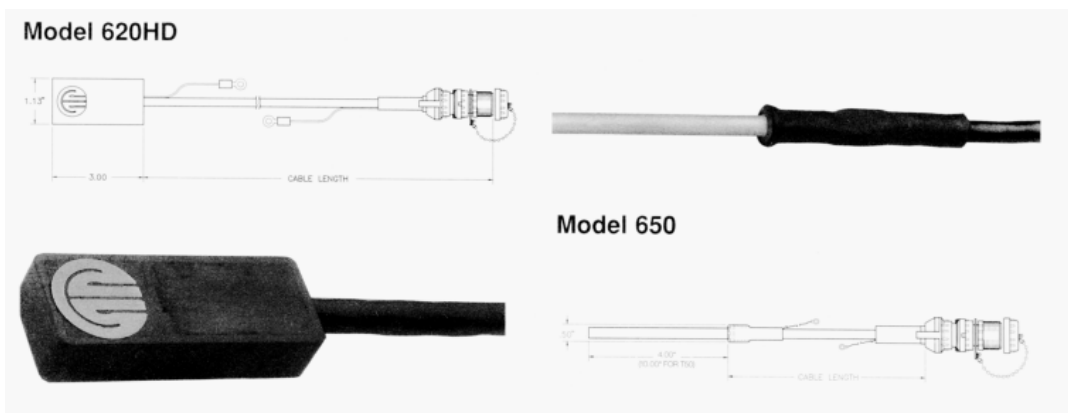


# Model 620HD/650 CORROSOMETER® Probes

## UNDERGROUND PROBES



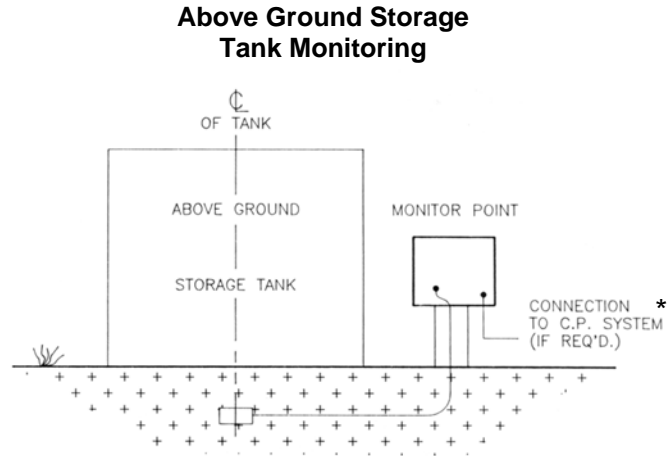
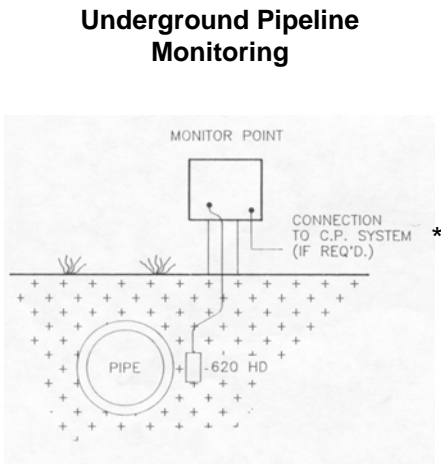
### Specifications:

- **Service Conditions — Heavy Duty**
- **Operation — Grounding Lead Option for Use With Cathodically Protected Structures**
- **Probe Construction — Injection Molded/Epoxy (620HD) Measure/Reference & Check Element (620HD) All Welded Elements: Measure, Reference and Check (650)**
- **Cable Connection — Heavy Duty Length as Required (620HD) Heavy Duty Length with Bonded Heat Shrink Sleeving Onto Element (650)**

The Model 620HD and 650 CORROSOMETER® probes are designed for underground and structural monitoring of pipelines, vessels, above and below ground storage tanks and structures — whether cathodically protected or not. The Model 620HD is a heavy duty assembly with a check element which is suited to the “construction site” environment. The Model 650 probe is economical and durable. Its slim profile is convenient for locations with restricted access such as concrete bridge structures and other infrastructure applications. Both probes provide good sealing to the reference element, and the check element provides confidence in the continued performance of the corrosion sensor. Either probe can be connected (or not connected) to a cathodically protected structure. When electrically connected, the probe provides a continuous record on the

effectiveness of the Cathodic Protection (C.P.) system under all the operating conditions. When the probe is not connected to the structure, it monitors the corrosivity of the soil or environment around the structure. In some cases, it may be beneficial to monitor both the C.P. system and the environment, which would entail the use of two probes. The probes may be ordered with or without a grounding lead for C.P. System. The lead may be installed at the probe or connector end, whichever is most convenient. In most cases, a lead at the monitoring connector end is preferred, with a separate lead running to the structure or C.P. System. This enables connection to the C.P. System to be made as required, — even after probe installation.

## Typical Installations:



\*It is recommended that the probe be bonded (electrically connected) directly to the protected structure, not at the rectifier or galvanic anode.

## Element Availability:

UNS Number	Alloy Code							
K03005	----	Pipe Grade Carbon Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Inches	.005	.010	.020	.055	.010	.025
		Useful Range (mm)	.127	.254	.508	.127	.254	.635

### Note:

- Denotes availability for Model 620HD
- Denotes availability for Model 650

## Ordering Information:

Model	Underground Corrosometer Probes														
620HD	Heavy Duty, Service Probe Assembly														
650	Heavy Duty, Slim Profile Service Probe Assembly														
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620HD	2 – S10 – K03005 – 20 ← Example														



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