

Model **620DI** **CORROSOMETER® Probes**



Specifications:

- **Ductile Iron Measure Element**
- **Designed for 20 Year Life**
- **Service Conditions — Direct Burial**
- **Operation — Grounding Lead Option for Use With Cathodically Protected Pipelines**
- **Probe Construction — Polyurethane Encapsulation and Cable Sheath**

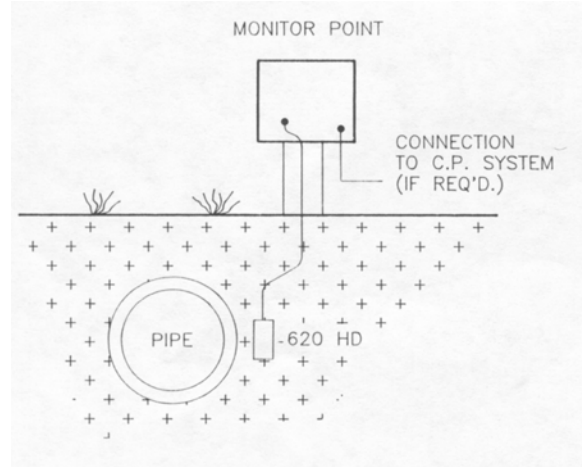
The Model 620DI and 650 CORROSOMETER® probe is designed for underground and structural monitoring of pipelines, vessels, above and below ground storage tanks and structures — whether cathodically protected or not. The Model 620HD is a heavy duty assembly with a check element which is suited to the “construction 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.

Specifications:

- Probe Type: Special (D)
- Span: 50 mils
- Maximum Cable Length: 100 feet (30 meters)

**Typical Installations:
Underground Pipeline Monitoring**



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

Model	Underground Corrosometer Probes				
620DI	Heavy Duty, Service Probe Assembly				
	Code	Grounding Connection			
	0	No Grounding Lead			
	1	Grounding Lead at Connector End			
	2	Grounding Lead at Probe End			
	Code	Element Form			
	S50	Model 620DI Only – Flush Strip Element, 50 mil Thickness (25 mil useful probe life)			
		Code	Element Alloy		
		Duciron	Ductile Iron		
			Code	Cable Order Length	
			LL	Cable Length in Feet	
	620DI	– 0	– S50	– Duciron	– 10
					← Example

Unit Weight: Model 620DI: 5 lbs./2.3 kg.



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