

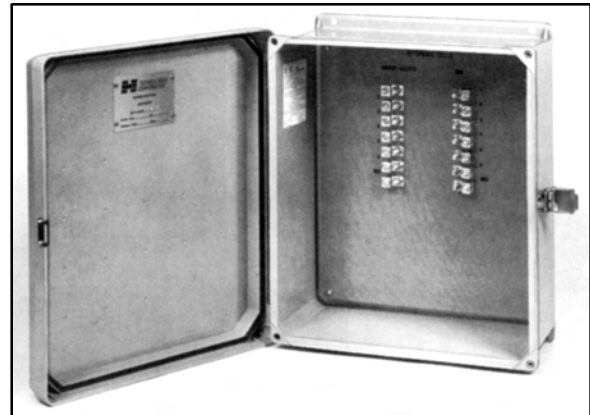
Corrpro Type C

Standard Reference Cell Junction Box

For Performance Of Potential Testing

The electrical difference between a structure and its electrolyte is the most important measurement for determining the effectiveness of a cathodic protection system. To obtain this reading, a junction box with independent reference cell and structure terminals is equipped with this kind of terminal configuration. It has the capacity for up to fifty cell and structure leads. The leads are made from solid copper, and may be ordered in various lug types to accommodate different wire sizes. Insulated terminal blocks are also available. To ensure a sound electrical connection, the leads are mounted on non-conductive NEMA grade C phenolic panels, which are resistance to warpage and weathering. The terminals are installed by trained electrical technicians according to Corrpro's strict quality control specifications.

Test leads on Corrpro's standard reference cell box are protected from the harshest environments by a NEMA Type 4X enclosure. The enclosure is made from high-impact-strength fiberglass, and contains a continuous piano-style hinge and lockable latch made from corrosion-resistant stainless steel. To make a completely dust- and watertight enclosure, a one-piece neoprene gasket is fitted on the inside of the cabinet's door. The fiberglass enclosure is available in sizes ranging from 4" x 4" x 4" through 60" x 36" x 12". Conduit hubs may be located on any area of the cabinet to comply with design specifications.



Typical Applications

Corrpro's Type C junction box is provided with isolated terminals to measure structure-to-structure or structure-to-soil potentials. The box can be used to perform these tests on both impressed-current and galvanic cathodic protection systems, and may be designed to accommodate a variety of wire sizes and types. Because the box meets NEMA Type 4X enclosure standards, it is protected against the most severe atmospheric conditions.



Corrpro Companies Europe Limited

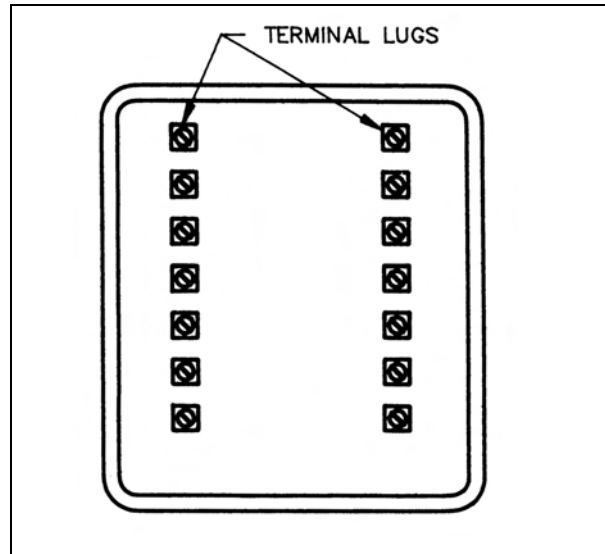
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Corrpro Type C Standard Reference Cell Junction Box

Ordering Procedure

All Corrpro junction boxes are made according to the customer's specifications. To order the required box for your particular application, indicate that you need a Type C standard terminal box, and specify the quantity desired, the enclosure size, and the size and quantity of terminal leads. An example is provided to help illustrate this process.

Ordering Procedure Example	
ITEM	EXAMPLE
Quantity	20
Junction Box Type	Type C Standard Reference Cell Box
Enclosure Size	14 " 12 " 6 in.
Enclosure Material (Fiberglass = Standard)	Fiberglass
Number of Terminals	20
Terminal Lug Size	#14 AWG



Junction Box Ordering Information

TERMINAL LUG SIZES* in. (mm)		
#14 - 2 AWG	(2.5 mm ² - 35 mm ²)	
#2 - 1/0 AWG	(35 mm ² - 50 mm ²)	
1/0 - 2/0 AWG	(50 mm ² - 70 mm ²)	
2/0 - 250 MCM	(70 mm ² - 125 mm ²)	
FIBERGLASS CABINET SIZES* in. (mm)		
LENGTH	WIDTH	DEPTH
10 (254)	8 (203)	5 (127)
12 (305)	10 (254)	5 (127)
14 (356)	12 (305)	6 (152)
16 (406)	14 (356)	6 (152)
18 (457)	16 (406)	8 (203)

*Other sizes available.



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