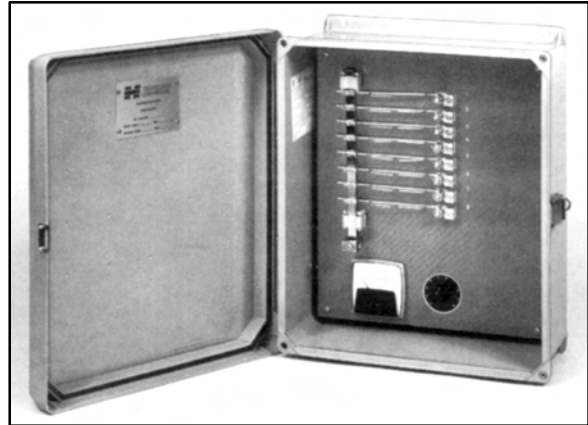


## Corrpro Type S Standard Shunt Junction Box

### For Measurement Of Anode Current

There are numerous ways to design the electrical circuitry on an impressed-current cathodic protection system. One of the more common methods is to connect anode leads from a rectifier to terminals in a junction box containing shunts. This type of design allows current to be measured on each anode to monitor performance and to identify potential problems. Because this electrical configuration is so often employed in the cathodic protection industry, Corrpro offers a standard junction box with terminals and shunts. The terminal lugs in the box are made from solid copper, and are available in a variety of sizes to accommodate different types of wire. Shunts included with the box are pre-calibrated to measure current flow, and are offered in a range of resistance and current-output combinations. Corrpro's standard shunt box can accommodate up to twenty-four circuits using these terminal lugs and pre-calibrated shunts.

One of the main functions of any junction box is to shield wire connections from the elements. Corrpro's Type S shunt box is manufactured with a dust-tight and watertight fiberglass enclosure. The cabinet meets NEMA Type 4X enclosure standards, and can be used indoors or out. Hardware on the cabinet is made of corrosion-resistant stainless steel. Depending on the number of circuits required, the cabinet is provided in several different dimensions, and is equipped for both pole and wall mounting.



### Typical Applications

The Corrpro Type S shunt box can be used to measure anode current flow on one to twenty-four anodes. The enclosure rating permits the box to be installed either indoors or out. The junction box can be equipped with shunts possessing various resistance levels and current output parameters.



#### Corrpro Companies Europe Limited

Adam Street, Bowesfield Lane, Stockton on Tees, TS18 3HQ

Telephone: (01642) 614106 (8 lines) Telex: 587388

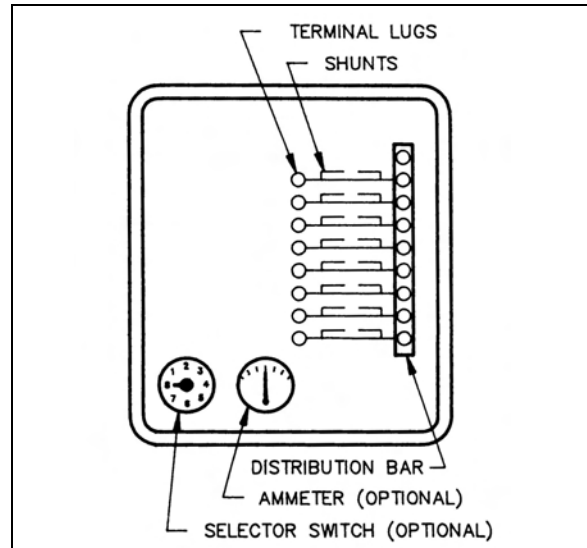
Fax: (01642) 614100 E-mail: ccel@corrpro.co.uk

## Corrpro Type S Standard Shunt Junction Box

### Ordering Procedure

All Corrpro junction boxes are made according to customer specifications. To order the required box for your particular application, indicate that you need a Type S junction box, and specify the quantity desired, the enclosure size, the number of circuits in each enclosure, terminal lug sizes, as well as shunt type, resistance, and amperage ratings. An example is provided to help illustrate this process.

Ordering Procedure Example	
ITEM	EXAMPLE
Quantity	20
Junction Box Type	Type S Standard Shunt Box
Enclosure Size	14" x 12" x 6 in.
Enclosure Material (Fiberglass = Standard)	Fiberglass
Number of Circuits	12
Anode Lead Lug Size	#14-2 AWG
Power Feed Lug Size	#2-1/0 AWG
Shunt Resistance	0.001 ohms
Shunt Amps	25
Options	Selector Switch



### Junction Box Ordering Information

TERMINAL LUG SIZES*		
#14-2 AWG	(2.5 mm <sup>2</sup> - 35 mm <sup>2</sup> )	
#2-1/0 AWG	(35 mm <sup>2</sup> - 50 mm <sup>2</sup> )	
1/0 - 2/0 AWG	(50 mm <sup>2</sup> - 70 mm <sup>2</sup> )	
2/0 - 250 MCM	(70 mm <sup>2</sup> - 125 mm <sup>2</sup> )	
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)
SHUNTS**		
TYPE	RESISTANCE W	AMPS
RS	0.01	8
SS	0.001	25
SW (50 MV)	0.0007-0.01	5-200
SW (100 MV)	0.0007-0.01	5-200

\*Other sizes available.  
\*\*Other types available.



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