



## Shunt Junction Box

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YUXI manufacture a serious type of junction box required for a cathodic protection system. Our junction box is designed to use reliably for onshore and marine environments in safe and hazardous areas, it is typically meet NEMA 4X or IP66 protection grade, and we can also manufacture explosion-proof junction box upon on request, the enclosure including sheet steel, stainless steel, cast aluminum and other non-metallic materials. The configuration of internal circuit can include connections, meters, shunts, resistors, remote monitoring, and other electronic parts. All junction boxes can be available with or without support frame, conduits, pipes. We can also offer custom junction box that is made according to design specifications.

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## Enclosures

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- ▶ Galvanized Steel
- ▶ Painted Steel
- ▶ Stainless Steel
- ▶ Cast Aluminum
- ▶ Fiberglass
- ▶ Non-Metallic

## Customized Junction Box

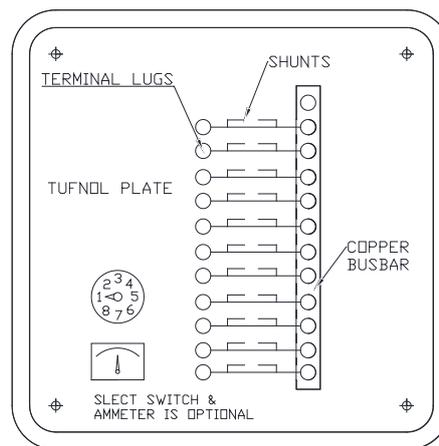
YUXI custom junction boxes are available with all the common electrical cabinet materials including steel, stainless steel, and non-metallic materials. The cabinets can be selected to meet non-hazardous or hazardous areas, and the internal components can be assembled as per design specification.

## SPECIFICATIONS

<b>Enclosure</b>	Galvanize Steel, Painted Steel Stainless Steel, Cast Aluminum Fiberglass, Non-Metallic
<b>Dimensions</b>	300x200x150mm, 400x300x150mm 500x400x150mm, 600x400x150mm 700x600x150mm, 800x600x150mm Customized size available upon on request
<b>Finish</b>	Polished
<b>Cooling</b>	Natural Air
<b>Grade of Protection</b>	IP66, NEMA 4X/ Explosion Proof
<b>Classification</b>	Non Hazardous / Hazardous
<b>Mounting Type</b>	Wall / Stand-off Mounted with SS full bolts, nuts & washers
<b>Internal Components</b>	Lugs, Shunts, Resistors, Select Switch, Ammeter
<b>Door</b>	Hinged on left side
<b>Security</b>	Lockable door
<b>Internal Terminal</b>	Anode lead M10 ST grade 316L / Brass terminals c/w lock nuts, washers Power feed lead M5 ST grade 316L / Brass terminals c/w lock nuts, washers
<b>Identification</b>	Tag plates and Name plate supplied with SS316L with screw sets
<b>Ambiant Temperature</b>	Up to 55 Degree Centigrade
<b>Climate</b>	Onshore or Marine corrosive environment
<b>Humidity</b>	95% at 43 Degree Centigrade
<b>Cable Entry</b>	One / two nos. of conduits with hubs or cable glands
<b>Documentation</b>	Drawing, Certificate of Conformity, Factory Acceptance Report

## Shunt Junction Box

This type of box has terminals for each individual anode and Shunts for anode current reading, this type of design allows current to be measured on each anode to monitor performance and to identify potential problems. All shunts within this design is pre-calibrated in order to make sure your reading is accurate. Select switch and Ammeter is also available for your easy operation.



<b>Enclosure</b>	requested
<b>Protection Grade</b>	Non Hazardous or Explosion-Proof
<b>Number of Circuits</b>	requested
<b>Anode Lead Lug size</b>	requested
<b>Power Feed Lug Size</b>	requested
<b>Shunt</b>	Amps required
<b>Select Switch and Ammeter</b>	Required / Not Required
<b>Type of Entry</b>	Conduit or Cable gland