

Product Datasheet: Test Point, Junction & Bond Boxes

Anode Engineering offers a wide range of Test Point, Junction and Bond Boxes with associated equipment for Cathodic Protection systems.

The most common test point is the simple two wire type for checking pipe to earth potential, other configurations with more connections permit testing of multiple parameters or conditions at the location. Anode junction boxes consolidate multiple impressed current anode cables and a means for monitoring individual anode currents. They also can be the termination point for buried Corrosion Probes. These boxes typically include an enclosure, an insulating panel, and terminals for cable attachment.

Anode Engineering will manufacture junction and bond boxes to meet most cathodic protection field requirements from details provided by the end user but in order to minimise cost and lead time we offer standard 8 stud general purpose boxes.

Standard boxes

The boxes are nominally 300mm high x 300mm wide X 200mm* deep, in 316 stainless steel. The boxes are fitted with an insulating panel and 10 off M8 stainless stud sets including crimp lugs. They are supplied with an external stainless-steel label and up to 10 internal traffolyte labels (internal labels supplied loose).
10 Stud Test Point Box



Upstand

The boxes can be supplied with a 65mm dia. galvanised steel upstand pole with a base plate, mounting plate and galvanised bolt set. The overall height is 1600mm, typically allowing a 1m above ground height to the box base.

Corrosion Probe Mounting

If a Corrosion probe is to be connected the boxes can be ordered with a mounting bracket for the probe connector, a momentary off push button at terminal 6, wired to 4 & 8 and a 10 Ohm wire wound resistor. See options in the part number system.

Accessories

Standard accessories available are Copper Busbars, Terminal Link Cables and Wire Wound Resistors. Refer to part number system for details. Accessories are supplied loose.



Custom Boxes

The selected enclosure will depend on client preference, specification or working environment. The enclosure size is dictated by the junction or bond box application. As the number of circuits or connections increase, so will the enclosure size. It is important to have working space inside the enclosure to allow access for installation and testing. If required, Anode Engineering can recommend the correct enclosure size to fit the specified contents. AE also designs and builds mountings for test boxes, including galvanised steel upstands.

Our engineering team is able to assist you with the technical aspects of a custom junction or bond box design. We are also happy to work from client drawings. Standard boxes are detailed on Drawing AE_DWG_5_059 Rev 0, request a copy of this drawing if you wish to specify label details.

Part Number System for Standard Boxes

| | Size | | Material | | Upstand | | Accessory | |
|----------------------|------|----------------------|----------|---------------------|---------------------------|-------------------------------|-----------|------------------------------|
| AETP | | | | | | | | |
| Test Point Assembly | 33 | 300 x 300 x 200mm | S | 316 Stainless Steel | 6 | 65mm upstand c/w mounting kit | P | Corrosion Probe mounting kit |
| | | | | | 8 | 80mm upstand c/w mounting kit | 0 | No probe kit |
| | Type | | | Size | | | | |
| AETA | | | | | | | | |
| Test Point Accessory | LS | Link Cable Short | | 25 | 2.5 mm ² cable | | | |
| | LL | Link Cable Long | | | | | | |
| | B2 | Copper BusBar 2 stud | | 25 | 6.35mm x 25mm | | | |
| | | | | 12 | 3mm x 12.5mm | | | |
| | B4 | Copper BusBar 4 stud | | 25 | 6.35mm x 25mm | | | |
| | | | | 12 | 3mm x 12.5mm | | | |
| | RW | Resistor - wire | | 01 | 0.1 Ohm | | | |

Select required option and enter into box above to create part number. Example **AETP 33S 60** = Test point, nominally 300 x 300 x 200, Stainless Steel, with 65 mm dia upstand (no probe mounting kit)

Anode Engineering
 30 Chetwynd Street
 Loganholme QLD 4129
 AUSTRALIA
 Ph: +61 7 3801 5521
 Email: Sales@Anodeengineering.com
www.Anodeengineering.com

Lordco
 59-61 Marsden Street
 Lower Hutt, Wellington 5045
 NEW ZEALAND
 Ph: +64 4 939 3944
 Email: Sales@Lordco.co.nz
www.Lordco.co.nz