

# PORTABLE TRANSFORMER RECTIFIER UNIT

## MODEL TRU FOR CATHODIC PROTECTION



### INSPECTION

Validation testing of corrosion prevention system operation for buried metallic structures has long been understood as critical for quantifying asset condition and avoiding the negative societal and financial impact of infrastructure failure. Additionally, a greater level of public and regulator interest in the results of those inspections is driving a shift in focus towards ensuring technical efficacy and evidence-based validation of field gathered data. In response, Corrosion Service has developed a range of products that are built around raising standards of field-based inspections and providing a greater level of detail and accuracy in the field. An important tool in this range of products is the Portable Transformer Rectifier Unit, which expands the conditions under which testing can be performed.

### ACCURACY

The Corrosion Service Portable Transformer Rectifier Unit (TRU) is one of the most essential tools in the cathodic protection technician's tool box. The TRU allows a variety of surveys to be performed where they would not otherwise be possible by supplementing, mimicking, or replacing permanent cathodic protection installations. Common applications include coating holiday (DC voltage gradient) and current requirement surveys. The TRU provides high output voltage, allowing the generation of significant test currents even under high resistivity soil conditions. The unit is air-cooled with a continuously variable variac control and is conveniently fitted with an interrupter interface. Standard units are supplied with LED displays in a painted carbon steel cabinet, which is rugged enough to withstand demanding field conditions.

### FEATURES / BENEFITS

- Fully adjustable output from 0 to 110 VDC / 10 ADC OR 0 to 125 VDC / 9 ADC.
- Incorporates a customizable current interrupter/data logger connection.
- Requires only a standard 110 V RMS 60 Hz 9.5 A generator AC input.
- Compact design ensures easy transportation to and from site.
- Daylight viewable LED displays.
- Front panel accessible voltage and current output measurement points
- Accurately mimics the output of industry standard permanent transformer rectifier installations.

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