

Pad Mount Deadfront Primary Metering Gear

Typical Features

The primary metering enclosure is available in 5-15kV, 200A and 600A continuous current ratings, suitable for use on 8.3/14.4kV grounded wye max design systems. It is constructed for connection to the utility system with load-break separable insulated connectors (supplied by the user.) The enclosure is designed to accept outdoor single-phase metering units as specified. The instrument transformer compartment is separated from the elbow compartment by a steel equipment plate. Separate access is provided for each compartment. A door safety barrier is provided inside the instrument transformer compartment, as recommended in the National Electrical Code. The primary metering enclosure is intended for outdoor installation and is completely assembled prior to shipment.



Construction

Primary metering enclosures meet ANSI standards. For maximum strength, the unit is built of 12 ga. sheet steel, and the cover cross-kinked for water run-off and rigidity. Also available in stainless steel or aluminum.

The enclosure has an open bottom with a "C" channel with a 2" lip for strength and ease of mounting to the pad.

Doors for the separable elbow and meter compartments include three-point latching and a non-ferrous captive penta- or hex-head bolt. Fully welded, stainless steel hinges and a captive door holder.

The grounded metal barrier separating the compartments is light gray powder coated for long-life and high-contrast for safety.

The finish is electrostatically applied polyester powder with a Munsell color 7GY3.29/1.5 and has a minimum thickness of 2 mils (other colors available).

Grounding provisions are placed for ease of installation and operation.

Typical Specifications

Equipment

Bushings

Bushings are 15kV through 35kV class, 200A through 600A and meet all aspects of ANSI/IEEE or latest revision.

Barriers

The barriers are glass-reinforced polyester NEMA GPO-3 class material. They are white to provide maximum visibility.

Accessories

All safety and bushing identification decals are provided as well as an external indication of the “elbow” and “meter” side.

Instrument Transformers

CT's and PT's (customer specified ratio) are supplied, installed and wired.

Meter Socket

Meter sockets (ring and ringless) are available installed and wired to meet utility requirements.