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MT-MV-PT-R7-A11-GMA-34.5KV-SW-C0.3WXMY-60HZ-OL-OD-M1

34.5 kV Potential Transformer, Oil Filled - 34500Y/19920 Grounded Wye Primary, 120V Secondary, 175/300:1 Ratio, 0.3 WXMY Accuracy Class, Light Grey, Outdoor

Product ID: 338855



Image: MT-MV-PT-R7-A11-GMA-34.5KV-SW-C0.3WXMY-60HZ-OL-OD-M1

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-MV-PT-R7-A11-GMA-34.5KV-SW-C0.3WXMY-60HZ-OL-OD-M1 Potential Transformer

Unit Type: Potential Transformer
Application: Revenue Metering, Relaying & SCADA
Phase: Single Phase
Primary Voltage: 34500Y/19920
Primary Voltage Class: 34.5 KV
Primary Phasor: Grounded Wye
Primary BIL: 200 KV
60 Hz, 1 min. Withstand Voltage: 19 kV
Primary to Secondary Ratio: 175/300:1
Secondary Voltage: 120V
Frequency: 60 Hz
No. Of Bushings: (1)
Rated Voltage Factor: 1.1 Continuous
ANSI Accuracy Class Operation at Rated Voltage (Metering Accuracy): 0.3 W, X, M, Y
Cooling Class: ONAN Self-Cooled
Insulator Type: Porcelain or Composite
Primary Connection: High Voltage Terminal
Primary Overcurrent Protection (OCP): Non-Fused
Secondary Connection: Terminal Block
Secondary Terminal Box: Weatherproof

Ratings

Meets IEEE C57.13 Standard
Meets ANSI C12.11 Standard
Outdoor Service
Non-corroding Nameplate

Space Heater: N/A

Winding Material: Copper

Nameplate Material: Stainless Steel

Operating Temperature Range: -40°C to +55°C
Average Temperature Rating (24 hrs): +45°C
Service Condition: Indoor
Finish: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)
Housing Materials: Welded Steel Tank
Mount: Cantilever / Structure Mounted
Total Dimensions: TBD
Total Weight: TBD

Special Orders - Special Requirements
Contact us for special requirements
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The MT-MV-PT-R7-A11-GMA-34.5KV-SW-C0.3WXMY-60HZ-OL-OD-M1 Potential Transformer from Larson Electronics is designed for outdoor utility and substation applications requiring accurate voltage measurement for revenue metering, monitoring, and protective relaying. This oil-filled instrument transformer is engineered for reliable operation in medium-voltage power systems and offers high accuracy, rugged construction, and long service life in demanding environmental conditions.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS

Transformer Features: The potential transformer is rated for a 34500Y/19920 grounded wye primary and 120V secondary with a 175/300:1 ratio. The unit features an ANSI metering accuracy class of 0.3 WXMY at 60 Hz and is designed in accordance with IEEE C57.13 standards. Heavy-duty copper windings and an oil-filled insulation system provide excellent dielectric strength, thermal performance, and long-term reliability.

Primary Connections: The transformer is equipped with a high-voltage primary terminal suitable for utility and substation installations.

Secondary Connections: The potential transformer is furnished with a weatherproof secondary terminal compartment for secure field wiring connections and maintenance access.

Benefits: The MT-MV-PT-R7-A11-GMA-34.5KV-SW-C0.3WXMY-60HZ-OL-OD-M1 transformer provides precise voltage transformation for metering and relaying applications while minimizing maintenance requirements and ensuring dependable long-term operation. The oil-filled design offers superior insulation characteristics and enhanced protection against environmental contaminants, making it ideal for outdoor service.

Applications: Electric utilities, substations, switchyards, renewable energy facilities, power generation stations, protective relaying systems, revenue metering, SCADA monitoring, power transmission and distribution networks, voltage monitoring, and high-voltage system control.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

There are no Faqs