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MT-HV-PT-R7-A11-GXN-245KV-SX.U-C0.3WXMYZ-Z-60HZ-OL-OD-M1

245 KV Potential Transformer, Oil Filled - 230000Y/138000 Grounded Wye Primary, 115/200V Secondary, 0.3 WXMYZ Metering Accuracy Class, Outdoor

Product ID: 327835

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MT-HV-PT-R7-A11-GXN-245KV-SX.U-C0.3WXMYZ-Z-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-HV-PT-R7-A11-GXN-245KV-SX.U-C0.3WXMYZ-Z-60HZ-OL-OD-M1 Potential Transformer

Unit Type: Potential Transformer, Oil Filled, Inductive Type
Phase: Single Phase
Primary Voltage: 230000Y/138000
Maximum System Voltage: 245 KV
Primary Phasor: Grounded Wye
Primary BIL: 900 KV
Creepage Distance: 230.12 inches

Secondary Voltage: 115/200V

Number of Secondary Windings: 2
Frequency: 60 Hz
No. of Bushings: (1)
Thermal Rating (at 30°C ambient): 1600 VA

ANSI Accuracy Class Operation at Rated Voltage (Metering Accuracy): 0.3 WXMYZ

Internal Arc Protection: Class II
Cooling Class: Oil Filled, Non-PCB Fluid
Insulator Type: Porcelain, ANSI 70 Light Grey
Primary Connection: NEMA 4-hole Terminal Pad, 0.4" Thickness

Ratings

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

Factory Tests

Induced Voltage Test
Applied Voltage Dielectric Test (Between windings and between winding and ground)
Polarity Test
Ratio Test
Power Factor Test
Ratio and Phase Angle Measurement and Calculations
Impedance, Excitation, and Composite Error Measurements
Dielectric Tests
Capacitance and Dissipation Factor Test
Accuracy Test
Resistance Measurements

Secondary Connection: TBD
Secondary Terminal Box: Included, w/ 1" NPT Conduit on Both Sides
Ground Lug: Included
Winding Material: Copper
Nameplate Material: Stainless Steel
Oil Level Indicator: Oil Sight Glass
Drain Valve: Included
Filling Valve: Included
Grounding Clamp: Included, #4/0 AWG CU
Operation Temperature Range: 5°C to +40°C
Humidity: 100%
Service Condition: Outdoor
Wind Speed Rating: 160 mph, with a 1.1 Overload Factor
Altitude: 3,300 ft Above Sea Level
Seismic Qualification: High Level, IEEE 693
Environmental Rating: Tropical, Heavy Contamination (44 mm/kV)
Painting: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)
Housing Materials: Epoxy Resin
Mount: Free-Standing
Cantilever Strength: 1100 lbs
Dimensions (Approximate): 36"L x 36"W x 168"H
Weight (Approximate): 3,020 Lbs

Partial Discharge Measurements

Special Orders - Special Requirements
Contact us for special requirements
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The MT-HV-PT-R7-A11-GXN-245KV-SX.U-C0.3WXMYZ-Z-60HZ-OL-OD-M1 Potential Transformer from Larson Electronics facilitates power distribution in outdoor locations and is designed for power utility applications. The low operating costs, low heat emissions and low cost of ownership make this transformer an ideal solution for metering, protective relaying, high voltage system control and more. This outdoor service instrument transformer is equipped with galvanized I-beam pedestals for installation.

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

Transformer Features: The potential transformer is rated for 230000Y/138000 primary and 115/200V secondary and has a metering accuracy class of 0.3 WXMYZ at 60 Hz. The system has heavy-duty windings for high strength and thermal/electrical conductivity.

Primary Connections: The transformer has standard terminals for primary connections.

Secondary Connections: The potential transformer is equipped with a terminal block protected by a removable cover.

Benefits: The MT-HV-PT-R7-A11-GXN-245KV-SX.U-C0.3WXMYZ-Z-60HZ-OL-OD-M1 transformer offers many benefits to consumers. This transformer provides owners with significant energy savings, as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turns into cost savings for owners in the form of lower energy bills and decreased cost of ownership.

Applications: Electric power distribution, utilities, protective relaying, utility power generation, power grids, substations, metering, high voltage system control, step down transmission and more.

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

Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/327835.JPG)
- **Video1**(https://www.youtube.com/watch?v=4-JEyYeYcn8)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)