

MT-CT-R7-1P-15KV-100.5-CL3-60HZ-M1

15 KV Current Transformer, Dry Type, 100:5 Ratio, Class 0.3B-0.5, Light Grey

Product ID: 311574

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



Image: MT-CT-R7-1P-15KV-100.5-CL3-60HZ-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-CT-R7-1P-15KVA-100.5-CL3-60HZ-M1 Current Transformer

Unit Type: Current Transformer, Dry Type

Phase: Single Phase

Maximum System Voltage: 15 KV

System BIL: 110 KV

Primary to Secondary Ratio: 100:5

Frequency: 60 Hz

ANSI Metering Accuracy Class: 0.3B-0.5

Relaying Accuracy Class: C40

Continuous Thermal Current Rating Factor at 30°C Ambient Temperature: 3.0

Short Time Thermal Rating: $190 \times I_N$ (1Sec.)

Short Time Mechanical Rating: $270 \times I_N$

Min. Creepage Distance: 19.5 inches

Strike Distance: 8.8 inches

Cooling Class: AA, Dry-Type

Primary Terminals: (2) Electro-Tin Plated Copper

Secondary Terminals: Clamp-Type Terminals Accommodate #14 to #1 Wire. Terminal Screws Are Slotted-Head Type

Winding Material: Copper

Nameplate Material: Stainless Steel

Ratings

Meets IEEE C57.13 Standard

Meets ANSI C12.11 Standard

Non-corroding Nameplate

Outdoor Service



Operation Temperature Range: -45°C to +55°C

Average Temperature Rating (24 hrs): +45°C

Service Condition: Outdoor

Wind Speed Rating: 90 mph

Importance Factor: 1.15

Altitude: 3,300 ft Above Sea Level

Seismic Qualification: Low Level, IEEE 693

Painting: Munsell™ 5BG 7.0/0.4 Light Grey (ANSI #70)

Housing Materials: Cast In Hydrophobic Cycloaliphatic Epoxy (HCEP)

Mounting: Upright, Cantilever, Or Upside-Down Positions

Dimensions (Approximate): 10.88"-W x 12.41"-D x 13.81"-H

Weight (Approximate): 44 lbs

Special Orders - Special Requirements

Contact us for special requirements

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The MT-CT-R7-1P-15KV-100.5-CL3-60HZ-M1 Current 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 makes 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 current transformer is rated for 15000V nominal voltage and has an ANSI Accuracy Class of 0.3B-0.5 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 terminal block protected by a removable cover.

Benefits: The MT-CT-R7-1P-15KV-100.5-CL3-60HZ-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.



Frequently Asked Questions (FAQ)

There are no Fags



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- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/311574.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>)
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