Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1

15 kV Electrical Metering Cabinet, Combinations (CT/PT) - 3-Phase - Dry Type - Pad Mount, Outdoor Service

Product ID: 342347

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



Image: MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-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.

MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1 Electrical Metering Cabinet Combinations (CT/PT)

Unit Type: Electrical Metering Cabinet (EMC), Prewired
Unit Configuration: Combinations Current & Voltage Transformer (CT/PT), Dry Type
Rated Frequency: 60 Hz
Phase: Three Phase

CT Specifications:

Quantity: (3)

Rated Voltage: 15 kV
BIL: 110 kV
Current Ratio: 1000:5
CT Design Form: Wound
Accuracy Class: 0.15B-1.8
Continuous Thermal Current Rating Factor (RF): 1.5
Shorting Device: Included, Manual
Terminals: Suitable to terminate #14 through #4 copper wire
Secondary Terminal Cover: Included, sealable

Ratings

Complies with ANSI / IEEE C57.13
Complies with ANSI / IEEE C57.13.6
Meets/Exceeds IEEE C57.12.28
Meets IEEE 386

Warranty

Failure of any component due to defective design, material, or workmanship within 12 months of energization or 18 months from delivery, whichever occurs first, shall be repaired or replaced at no cost.

Mounting: Slide-In CT Mounting Hardware

PT Specifications:

Quantity: (3)
Primary Voltage: 7200/12470GY V
Primary Voltage Class: 15 KV
Primary BIL: 110 kV
Secondary Voltage: 120V
Voltage Ratio: 60:1
Accuracy Class: 0.3 W, X, M, & Y
Thermal Burden: 1000 VA @ 30°C
Primary Connection: Line-Ground
Strike Distance: 10.3"
Creep Distance: 24.7"
Rated voltage factor (RVF): 1.1
Primary Terminals: The electro-tin plated primary H1 bushing terminal accommodates #10 to 250 MCM conductors. The H2 neutral terminal is insulated to withstand a 10 kV test level
Secondary Terminals: Clamp-type secondary terminals accommodate #14 through #3 wire
Grounding Terminal: for grounding the secondary circuit at the transformer

Metering Equipment:

Meter Form: Form 9S
Terminal Configuration: 13-Terminal
Meter Base: Lever Bypass or 13-Terminal Prewired Meter Socket
Test Switch: Included, Red and Black

Secondary Wiring:

Conductor Size: #10 THHN
Wiring: PTs and CTs to Meter Base

Color Codes:

Potentials: Yellow, Blue, Red
Currents: Black, Green, Orange
Returns: White with Black Stripe
Neutral: White

Continuous Current Rating: 600 A
System Voltage: 15 kV
Installation: Free-Standing, Outdoor
Frame: Galvanized
Internal Barriers: GPO
Source Bushings: 600 A, 25 kV, per phase
Tap Bushings: 600 A, 25 kV, per phase
Enclosure Material: Metal, Non-Corrosive, Weather-Resistant, UV-Resistant
Hardware Material: Stainless Steel
Paint Color: Munsell™ 7GY 3.29/1.5 Bell Green
Mounting Provisions: Pad Mount
Lifting Provisions: Included
Spare Parts: three (3) spare primary fuses for the PTs.
Dimensions: 31.5" x 78.7" x 31.5"
Weight: 661.4 lbs

Special Orders- Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1 Electrical Metering Cabinet from Larson Electronics is designed for power utility applications in outdoor locations. The low operating costs, low heat emissions and low cost of ownership make this transformer an ideal solution for metering, high voltage system control and more. This cabinet is compatible with pad mounting installations.

Cabinet Features: The MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1 is rated for 15 kV, 60 Hz. The system has heavy-duty windings for high strength and thermal/electrical conductivity.

Insulation Fluid: The MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1 is a dry type.

Primary Connections: The cabinet has 600A dead break bushings for primary connections. The terminal conducting surface is horizontal. The current transfer point is tinned or silver plated.

Secondary Connections: This CT/PT has accessible terminal blocks for secondary connections. The terminal block is protected by a weatherproof, metal junction box located on the transformer base housing and features a large access door. Operators can access three 1.5" openings for completing connections.

Mount: The MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1 is pad-mounted.

Benefits: The MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1 cabinet 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, utility power generation, power grids, substations, metering, high voltage system control 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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-EMC-R7-3P-GMR-15KV-YT-1000.5CT-N3R-M1

Export Control Classification Number (ECCN): EAR99

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Links (Click on the below items to view):

- **HigResPic1** (https://www.larsonelectronics.com/images/product/HigResPic1/342347.JPG)
- **HigResPic2** (https://www.larsonelectronics.com/images/product/HigResPic2/342347.JPG)
- **HigResPic3** (https://www.larsonelectronics.com/images/product/HigResPic3/342347.JPG)
- **HigResPic4** (https://www.larsonelectronics.com/images/product/HigResPic4/342347.JPG)
- **HigResPic5** (https://www.larsonelectronics.com/images/product/HigResPic5/342347.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)