

Byramtmp™

Transformer Metering
Package

Product Specifications & Information

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Byramtmp™

Transformer Metering Package



Byram's Transformer Metering Package, or TMP™ is the most efficient and economical way to provide metering for single and three phase padmount transformer metering applications.

Our out-of-the-box, bundled kit ships equipped with all the necessary components required to provide a professional and accurate installation as quickly and easily as possible.

All Kits Include:

- ▶ Digital kWh Meter (Qty. 1)
- ▶ Bushing Type Current Transformers with Bus Bar Adapters (Qty. 3*)
- ▶ Meter Socket appropriate to the meter (Qty. 1)
- ▶ Fuse Block with qty. 3, 250 Amp Fuses to Protect Potentials (Qty 1)
- ▶ 5 Feet of Colored Wire and Colored Wiring Diagram (Qty. 1)
- ▶ Closed Nipple Connector with Sealing Rings for Enclosure Punch-Out (Qty 1)
- ▶ Wiring Diagram, Meter Documentation, Enclosure Mounting Template and Hardware for Mounting Enclosure on Transformer Cabinet (Qty 1)

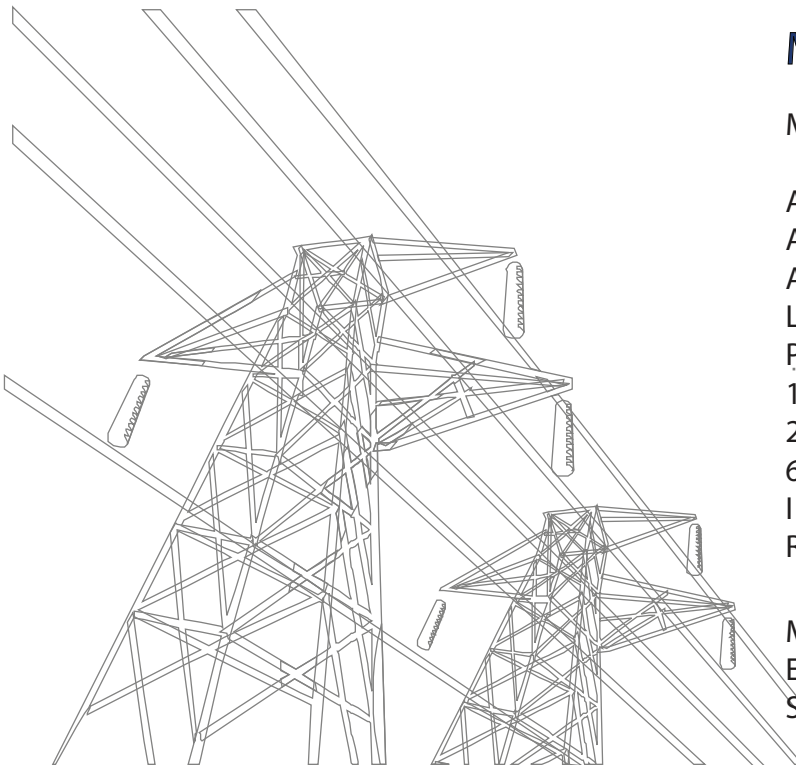
*Note: Single phase TMP includes a single phase meter and Qty. 2 CTs.

Meter & Enclosure Options

Meter Upgrades:

- A1T+ (TOU)
- A1R+ (VAR)
- A1K+ (VA)
- Load Profile
- Power Quality Monitoring
- 1 KYZ Relay
- 2 KYZ Relays
- 6 KYZ Relays
- Internal Modem
- RS232 or RS485 Communication

- Munsell Green/Desert Tan Painted Enclosure
- Enclosure with a factory installed test-switch
- Stainless Steel Enclosure



meterchoices

Available Manufacturers



Elster Solutions electricity meters, communications and energy management platforms are engineered for residential, commercial and industrial and interchange metering applications. Elster meets the expanding needs of utilities by providing advanced metering products and services worldwide.



Landis+Gyr brings together the broadest portfolio of advanced communication technologies in the industry to provide a variety of solutions for electric, gas and water utilities. From advanced metering infrastructure and personal energy management to distribution automation and SCADA, we help enable the Smart Grid.



Quadlogic develops and sells electric submeter and energy monitoring products, systems for tenant billing. Their patented and proven frequency-agile Power Line Communications technology enables remote meter reading using the existing power lines, eliminating the need for wired networks or radio-frequency emissions. Quadlogic smart meters also provide many power quality metrics. In use all over the world for 27 years, our Smart Meters are utility-grade, reliable and cost effective.



Itron helps thousands of utilities worldwide optimize the delivery and use of energy and water by providing intelligent metering, communication and utility software solutions.



Electro Industries/GuageTech

Electro Industries specializes in power meters and smart grid solutions that excel at energy measurement, power quality and advanced telemetry. Users worldwide depend on EIG power meters to monitor power information within substations, industrial facilities and commercial buildings.



General Electric's meters are designed to meet your metering needs in a rapidly changing world where deregulation blurs the lines between Utility, Industrial, Commercial, and Substation metering. In a world where meters now need to answer new and vital questions for your business, the KV2 moves beyond revenue metering to real time instrumentation, true power quality monitoring, and real cost of service measurement.



As the 30-year industry leader in submetering, E-Mon provides the most flexible, reliable and cost effective solutions for submetering applications. Whether you require a single standalone meter or a complete metering solution, E-Mon is your one-stop shop for submetering.



enclosurechoices

Available Manufacturers



Milbank & Cooper B-Line meter sockets can be installed in commercial and industrial facilities with current requirements of 100 through 320 amps for self-contained meters, 480 amps for bolt-on meters, and higher amperage ratings using current transformer rated sockets and enclosures.

All standard meter sockets are rated NEMA 3R for weather protection. Standard utility grade meter sockets are manufactured from 16 gauge AISI G90 galvanized steel with a baked gray powder polyester paint finish to improve corrosion resistance. (Other paint colors are available).



Standard catalog enclosures manufactured of aluminum or stainless steel are usually available via special order quote from the factory. Milbank Electrical Enclosures are designed as junction boxes, pull boxes, current transformer enclosures, equipment boxes and wireways. Screw covers and hinged covers are available for most styles.



Hammond Manufacturing offers a broad range of enclosure products for the electronic and electrical products industry, including metallic and non-metallic enclosures, racks, small cases, and electronic transformers.

When a standard enclosure isn't exactly what you need, Hammond offers various modification options.



Ask about additional Manufacturers' options

current transformerchoices

Available Manufacturers



ABB offers ANSI current and voltage transformers, available in voltage classes ranging from 0.6 kV to 69 kV and are offered in a variety of insulation materials including thermoplastic rubber, plastic case, polyurethane, and hydrophobic cycloaliphatic epoxy (HCEP).



Itron's type R6 Current Transformers are designed for metering and instrumentation applications in the 600 volt insulation class. Type R6 Current Transformers reduce primary currents to a secondary current compatible with transformer rated meters



Instrument Transformers, Inc.

A division of



With a complete line of indoor and outdoor instrument transformer products, we work closely with our global customers to provide the right solution for each unique application. Our application engineering teams are ready to provide the solutions that match your specific application.

- Indoor Current Transformers (CT's) for metering and protection applications
- Indoor Voltage Transformers (VT's) for metering and protection applications

Ask about additional Manufacturers' options

fusing & Hardware

Available Manufacturers



Fibertube, 250 V BLN Fuses provide low-cost protection for military applications and control circuits.



Littelfuse Class CC, G and Midget fuse blocks have integral DIN rail mounting capabilities that allow secure mounting to 35mm "hat" type DIN rails. New releasable mechanism allows installation and removal of block without removing adjacent components on DIN rail. Electrical panel builders and machine builders no longer need to use mounting adapters, saving assembly time and related costs.



Ask about additional Manufacturers' options

Byram's commitment

Total Customer Satisfaction

"Byram's acquisition of Tika Energy Management continues Byram's commitment to strategic growth, innovation and expansion into Byram's family of product offerings," said Monte Prince, Byram's President and CEO. Tika Energy, a family-owned business, will continue to provide the same quality service to its customer base as well as additional products and services that have been offered by Byram.

Byram Laboratories Inc, headquartered in Branchburg, NJ, has delivered metering technologies worldwide for over 105 years. Byram provides energy management solutions, smart grid applications, real time monitoring services, and operational efficiencies. Byram also offers metering technologies, instrument and test equipment, meter calibration services, integration services, technical support, hosted meter data management, and customized solutions to utility, commercial, industrial, and government customers.

Quality Policy:

Byram Laboratories Inc. is committed to providing products and services which are compliant with our customer requirements and meet or exceed customer expectations.

Exclusion Clause:

Byram Laboratories Inc. continually checks and updates the information which it provides. However, despite the utmost care and diligence, data information may have changed. For this reason, Byram Laboratories Inc. accepts no liability nor gives any guarantee with regard to the accuracy, completeness and topicality of the information given on these pages. This also applies to third party references. Byram Laboratories Inc. accepts no responsibility or liability in respect of the material provided by such other parties.