Instrument Transformers

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Instrument Transformers

Control Power Transformers
5kV to 38kV - Indoor type

Current Transducers
600 Volt Class

IEC - Rated Instrument Transformers (Indoor/Outdoor)
LOW VOLTAGE CURRENT TRANSFORMERS

Split Core Current Transformers

Applications
- Energy management
- Load surveys
- Sub metering

Features
- Window sizes from 0.75 x 0.75 to 12 x 30 inches
- Ratios from 100:5A to 10,000:5A
- Voltage output available
- Weather proof model available
- UL Recognized and CSA Approved

Auxiliary Current Transformers

Applications
- Designed for use in the secondary of main current transformers to change the ratio for metering or relaying applications

Features
- Several models available
- Wound primary up to 50A
- IEEE or IEC metering and relay class
- Summation CT’s up to six secondaries
- UL Recognized and CSA Approved

Three Phase Current Transformers

Applications
- Three phase metering and motor overload protection

Features
- Over 50 models available
- Saves space and reduces installation time
- Zero sequence core in the same package available for most models
- Ratios from 50:5A to 4000:5A
- UL Recognized and CSA Approved
Current Transformers

Applications
- For use with ammeters in panelboards, control panels and engine generators

Features
- Wide range of window sizes
- Ratios 50:5A to 2000:5A
- 1 Amp secondaries are available
- Supplied with leads or terminals
- Integral feet or mounting brackets available
- UL listed and CSA Approved

Current Transformers

Applications
- For metering and relaying applications in low voltage switchboards, switchgear and motor control

Features
- Wide range of window sizes
- Ratios 50:5A to 6000:5A
- 1 Amp secondaries are available
- Supplied with leads or terminals
- Multi ratios model available
- Designed to meet IEEE C57.13 or IEC 60044-1
- UL listed and CSA Approved

Current Transformers

Applications
- Designed for specific mount applications in low and medium voltage switchgear

Features
- Wide range of window sizes
- Ratios 50:5A to 6000:5A
- 1 Amp secondaries are available
- Multi ratios model available
- Designed to meet IEEE C57.13
- UL listed and CSA Approved
## Current Transformers

**Applications**
- For ammeters, wattmeters, and cross current compensation applications

**Features**
- Window sizes up to 30x10 inches are available
- Ratios 50:5A and up
- 1 Amp secondaries are available
- Supplied with leads or terminals
- Integral feet or mounting brackets available
- UL Recognized and CSA Approved

## Ground Fault Sensors

**Applications**
- To sense zero sequence ground fault currents

**Features**
- Window sizes up to 30x10 inches are available
- Ratios 50:5A and up
- 1 Amp secondaries are available
- Supplied with leads or terminals
- Integral feet or mounting brackets available
- UL Recognized and CSA Approved

## Ground Fault Sensors Type HGF

**Applications**
- Designed to match the ground fault input of GE Multilin motor protection relays

**Features**
- Window sizes 3.75”, 5.75” or 8.13”
- Ratio 50:0.025A 60 Hz
- IEC versions also available
- UL and CUL recognized
Instrument Transformers

Current Transformers

Applications
- Designed for operation of meters and instruments
- Utility metering
- Mounts directly on busbars or padmount transformer spade

Features
- Window sizes 3.46” x 4.16”
- Ratios 200:5 to 4000:5
- Meet ANSI C12 size and mounting

Current Transformers

Applications
- Designed for operation of meters and instruments
- Utility metering small window

Features
- Designed for outdoor service
- Encapsulated in cast polyurethane resin
- Compression type terminals
- Ratios from 100:5A to 800:5A
- Dual ratio models available
- Engraved aluminum name plate
- Meet ANSI C12 size and mounting

Current Transformers

Applications
- Designed for operation of meters and instruments
- Utility metering large window

Features
- Designed for outdoor service
- Compression type terminals
- Ratios from 200:5A to 4000:5A
- Dual ratio models available
- Engraved aluminum name plate
- Meet ANSI C12 size and mounting
LOW VOLTAGE POTENTIAL TRANSFORMERS

Voltage Transformers

Applications
• For single phase voltage measurement in AC power systems

Features
• Resin cast moulded plastic cases
• Integral fuses available on some models
• Designed to meet IEEE C57.13
• 50Hz design available
• UL Recognized and CSA Approved

Voltage Transformers

Applications
• For three phase voltage measurement in AC power systems

Features
• Resin cast moulded plastic cases
• Integral fuses available on some models
• Designed to meet IEEE C57.13
• 50Hz design available
• UL Recognized and CSA Approved

JVA Voltage Transformers

Applications
• Designed for indoor and outdoor service; suitable for operation meters, instrument transformers, relays, and control devices.
• Utility metering

Features
• Housed in a resin filled plastic case
• Compression type terminals
• 50Hz design available
• Transparent plastic terminals cover
• Engraved aluminum nameplate
• Designed to meet IEEE C57.13
BUSHING CURRENT TRANSFORMERS

Cast Resin Unit

Applications
• For use over bushings of power transformers and dead tank circuit breakers
• For metering and relaying applications

Features
• Indoor or outdoor service
• 600V class to IEEE C57.13 or IEC 60044-1
• Ratios 50:5 to 25000:5
• Single and multi ratios available
• Optional ground shield available

Taped Unit

Applications
• Designed to customers specifications for metering and relaying applications
• High voltage circuit breakers and power transformers

Features
• 600V class to IEEE C57.13 - 1993
• Single and multi ratio designs available
• Leads or terminals available
• Designs for use in oil are available

Board Mounted Unit

Applications
• Designed for mounting and stacking over the bushings of large generators
• For metering and relaying applications

Features
• Ratios up to 40,000:5A
• 1 Amp secondaries and IEC design available
• 600V class 50 or 60Hz
• Shield winding available
MEDIUM VOLTAGE CURRENT & VOLTAGE TRANSFORMERS

Voltage Transformers

Applications
- Indoor voltage transformers for metering and relaying applications in AC power systems

Features
- Vacuum cast polyurethane resin
- Designed to meet IEEE C57.13
- 5kV to 34.5kV with BIL rating up to 200kV
- UL Recognized and CSA Approved

Current Transformers

Applications
- Indoor current transformers for metering and relaying applications in AC power systems

Features
- Vacuum cast polyurethane resin
- Designed to meet IEEE C57.13
- 5kV to 34.5kV with BIL rating up to 200kV
- UL Recognized and CSA Approved

15-35kV Outdoor Voltage Transformers

Applications
- Designed for outdoor service; suitable for operating meters, instruments, relays and control devices.

Features
- Designed for outdoor service
- Hydrophobic Cycloaliphatic Epoxy insulation
- Engraved aluminum name plate
- Designed to meet C57.13
- 15kV to 36.5kV with BIL ratings up to 200kV

15-35kV Outdoor Current Transformers

Applications
- Designed for outdoor service; suitable for operating meters, instruments, relays and control devices.

Features
- Designed for outdoor service
- Hydrophobic Cycloaliphatic Epoxy insulation
- Ratios from 5:5A to 1200:5A, 50/60Hz
- Dual ratio models available
- Engraved aluminum name plate
- Designed to meet C57.13
- 15kV to 36.5kV with BIL ratings up to 200kV
CONTROL POWER TRANSFORMERS

Single Phase Cast Coil Transformers

Applications
- To provide control power in medium voltage switchgear

Features
- Vacuum cast primary coil using epoxy resin
- Single phase rating from 5 kVA to 37.5 kVA
- Voltage rating 5 to 15 kV and BIL rating to 95 kV BIL

Single Phase Cast Coil Transformers

Applications
- To provide control power in medium voltage switchgear
- Generator neutral grounding transformer

Features
- Vacuum cast primary and secondary coils using epoxy resin
- Single phase rating from 25 kVA to 75 kVA
- Voltage rating 5 to 34.5kV and BIL rating to 150 kV BIL

Three Phase Cast Coil Transformers

Applications
- To provide control power in medium voltage switchgear

Features
- Vacuum cast using epoxy resin
- Three phase rating from 15 kVA to 150 kVA
- Voltage rating 5 to 34.5kV and BIL rating to 150 kV BIL
- Horizontal and vertical mounting available in some models

CURRENT TRANSDUCERS

Applications
- Process control
- Industrial measurement

Features
- Models available for 5 to 600 primary AC current
- Output 4-20 mA dc
- UL recognized
IEC - RATED INSTRUMENT TRANSFORMERS

Current Transformers (Low Voltage)

Applications
- Suitable for measuring applications in AC power systems

Features
- Available for indoor applications
- DIN rail mounting
- Designed to meet IEC 60044-1
- 720V rated

Current Transformers (Medium Voltage)

Applications
- Suitable for measuring and protection applications in AC power systems

Features
- Available for indoor or outdoor applications
- Vacuum cast in epoxy resin
- Designed to meet IEC 60044-1
- Available from 12 to 36 kV
- Multiple core designs available for measuring and protection in one package

Voltage Transformers (Medium Voltage)

Applications
- Suitable for measuring and protection applications in AC power systems

Features
- Available for indoor or outdoor applications
- Vacuum cast in epoxy resin
- Designed to meet IEC 60044-2
- Available from 12 to 36 kV
- Rated Voltage Factor: 1.2/1.9 (Continuous/8 hours)

Visit www.GEMultilin.com/ITI to:
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- Review applications Notes and support documents
- Buy an instrument transformer online
- View the product brochures