

50A Voltage-Output Current Transformer

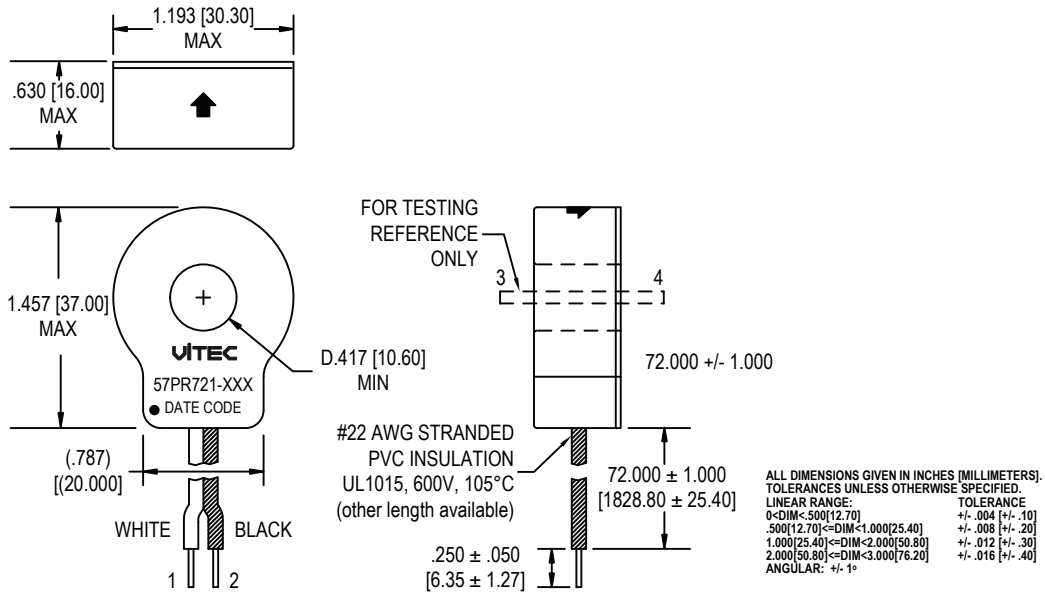
ExaCT™ 57PR721 Series

FEATURES:

- Transform electrical current to voltage compatible device.
- Encapsulated secondary coil with no exposed metal.
- Frequency of Operations: 50/60Hz
- Primary Current Range: $2.5A_{RMS} \sim 60A_{RMS}$
- Output Voltages: at Primary Current Range
- High Accuracy Specified $< \pm 0.5\%$
- Low Phase Shift Specified $< 0.5^\circ$
- Operating Temperature Range: $-40^\circ C \sim 85^\circ C$
- Sensing Aperture: $\Phi 0.417$ [10.60] for Insulated Primary
- Materials meet Flammability Requirements of UL94V-0
- Manufactured with UL Recognized Materials meet Class A (105°C) Insulation System



MECHANICAL



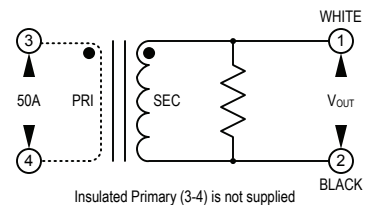
ELECTRICAL CHARACTERISTICS @ 25°C

| Vitec Part Number | Rated Current (3-4) | V _{OUT} @ Rated Current (1-2) | Current to Voltage Conversion Error (1-2) | | Phase Shift (1-2) | | Dielectric Strength Voltage |
|-------------------|---------------------|--|---|---------------------------|----------------------------|---------------------------|-----------------------------|
| | | | mV/A | Degrees | | | |
| RoHS | A _{RMS} | V _{RMS} | 2.5A _{RMS} , 50Hz | 60A _{RMS} , 50Hz | 2.5A _{RMS} , 50Hz | 60A _{RMS} , 50Hz | V _{RMS} |
| | - | - | 4.500 ± 0.5% | 6.667 ± 0.5% | 0.50 MAX | 0.50 MAX | 50/60Hz, 2SEC |
| 57PR721-022 | 50 | 0.2250 | 4.500 ± 0.5% | | 0.50 MAX | | 3,750 MIN |
| 57PR721-033 | 50 | 0.3333 | 6.667 ± 0.5% | | 0.50 MAX | | 3,750 MIN |
| 57PR721-100 | 50 | 1.0000 | 20.000 ± 0.5% | | 0.50 MAX | | 3,750 MIN |

Notes:

High Potential Testing (Dielectric Strength Voltage Test) is done by using a metal rod (.417 [10.60] in diameter) inserted through case-center-hole as primary winding

SCHEMATICS

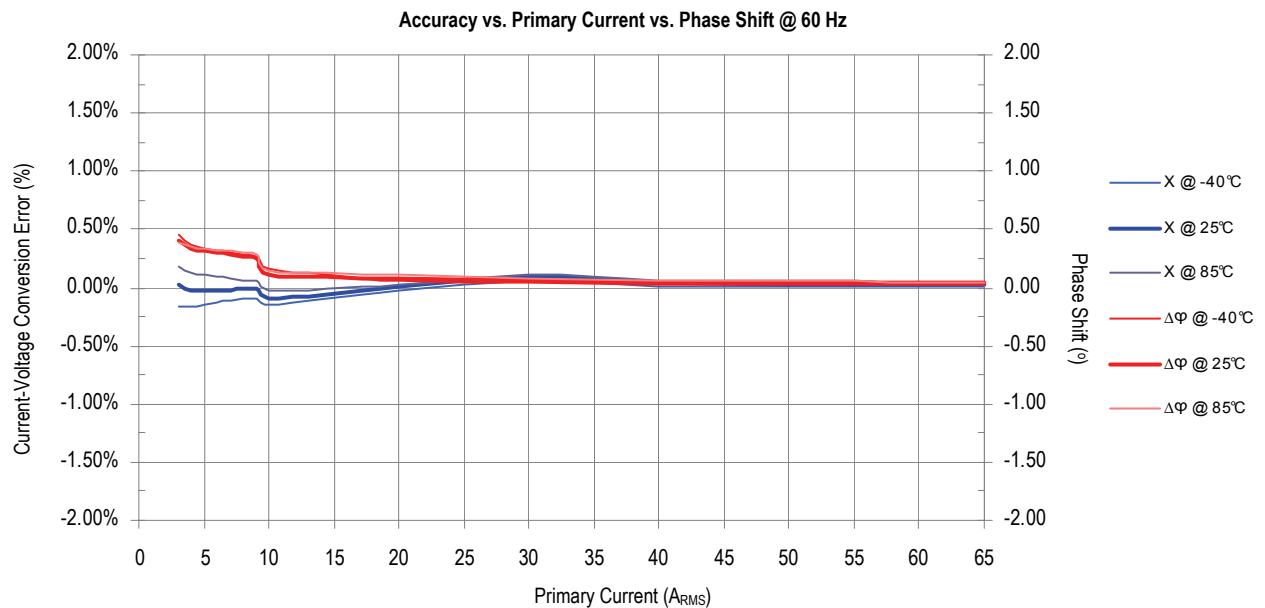
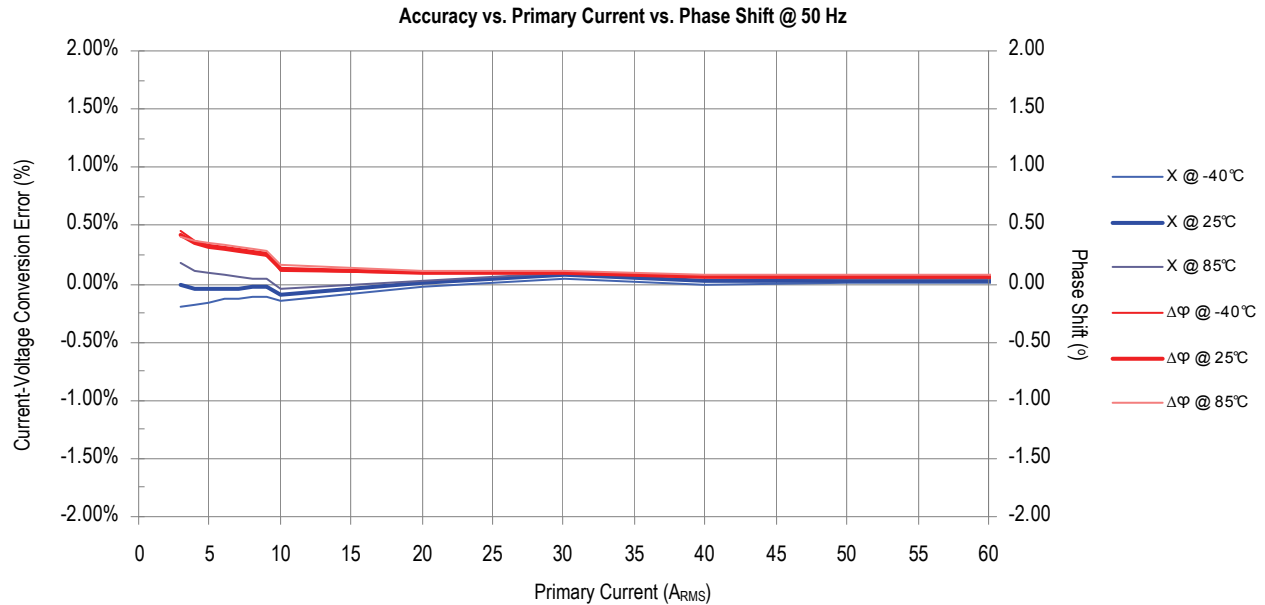


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50A Voltage-Output Current Transformer

ExaCT™ 57PR721 Series

57PR721-022 Primary Input Currents Vs. Secondary Output Voltages Performance Graphs



APPLICATIONS:

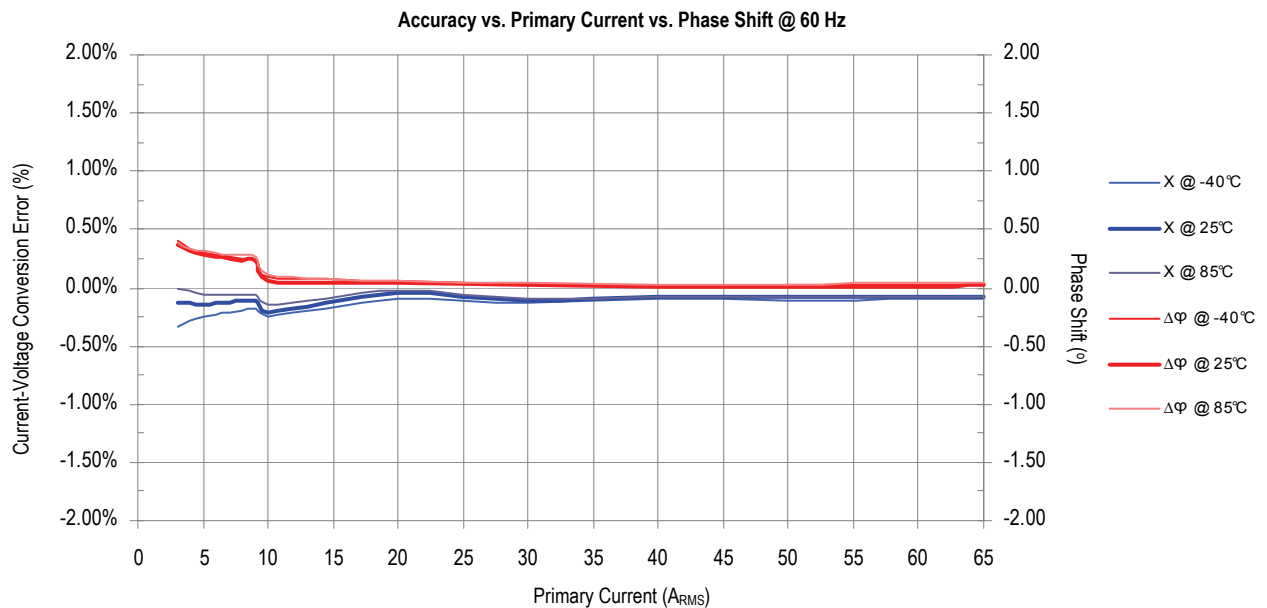
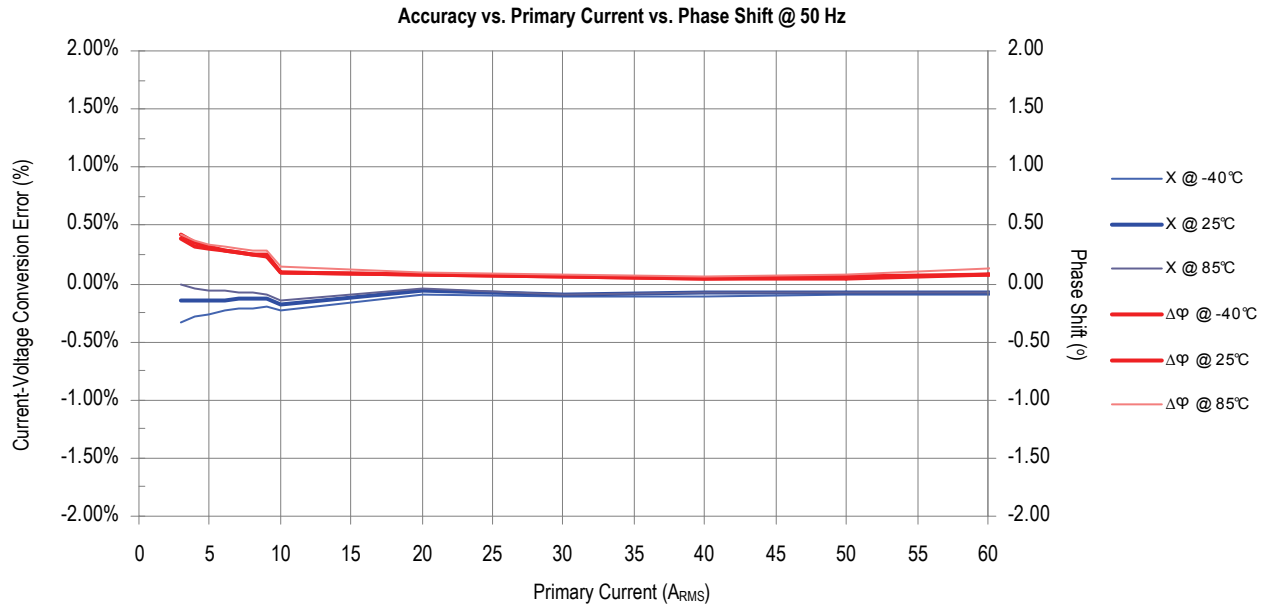
- Branch Circuit Monitoring Systems
- Energy Meter and Sub-meters
- Data Acquisition and Recording Systems
- Energy Distribution Management Systems
- Alternative Energy Monitoring Systems
- Power Conditioning Systems
- Power Distribution Units
- Process Controls
- Portable Instruments
- Distributed Measurement Systems

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50A Voltage-Output Current Transformer

ExaCT™ 57PR721 Series

57PR721-033 Primary Input Currents Vs. Secondary Output Voltages Performance Graphs



SAFETY:

- Reference IEC 61010-1 Standards -

- Basic Insulation: 600VAC between PRI and SEC
- Reinforced Insulation: 300VAC between PRI and SEC
- Overvoltage Category: III

- Pollution Degree: 2
- Operating Altitude: 3,000m
- Dielectric Strength Voltage: 3,750V_{RMS} between PRI and SEC



DANGER

Visit www.viteccorp.com/ExaCT/safety.htm



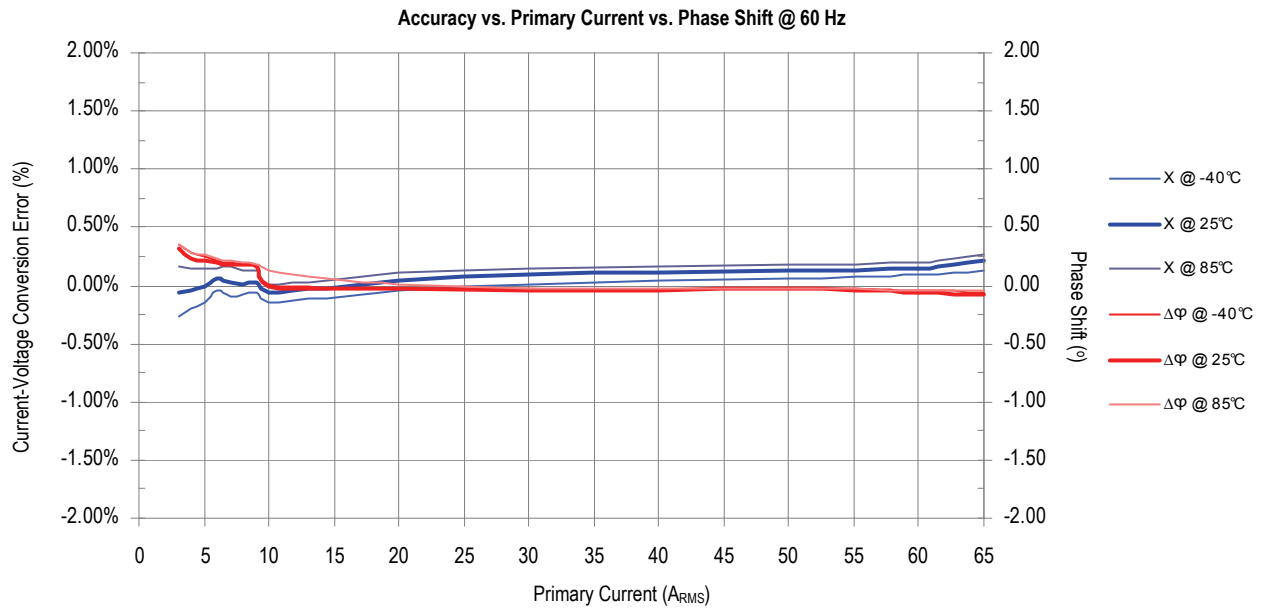
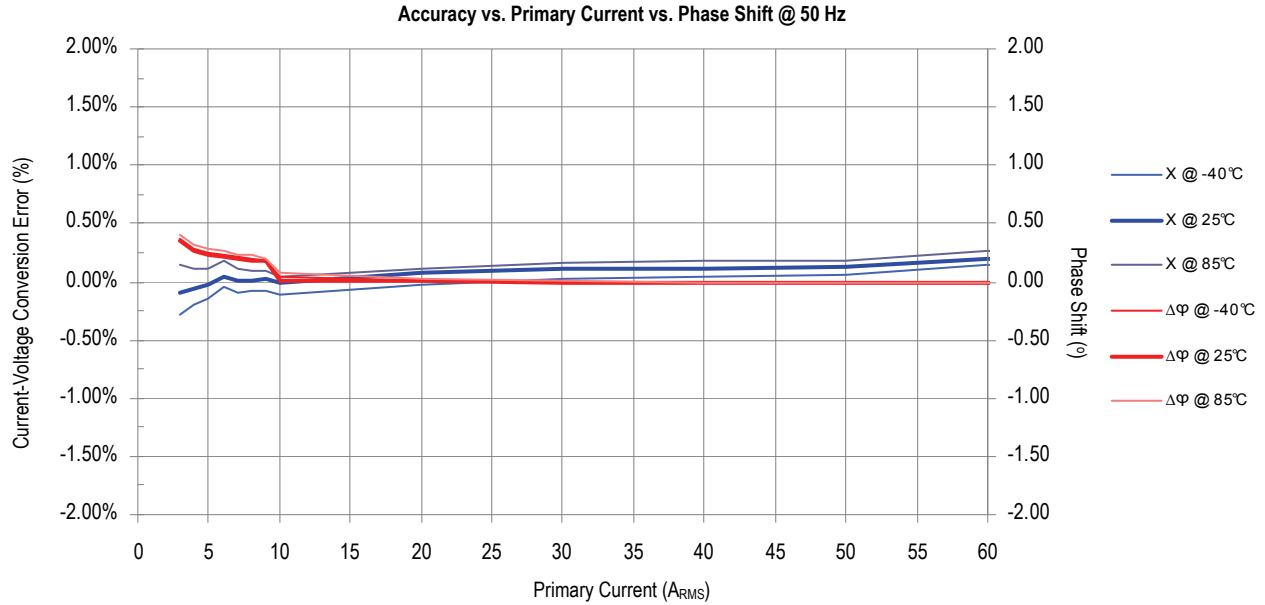
HAZARD OF
ELECTRIC SHOCK

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50A Voltage-Output Current Transformer

ExaCT™ 57PR721 Series

57PR721-100 Primary Input Currents Vs. Secondary Output Voltages Performance Graphs



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AS0378 02/15

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