Current Transformers—333mV
Submetering Solutions for Accurate Measurement & Verification
For use with VerifEye™ Series 4000, 4100, 7000 and 7100 Meters only

DEFINITION
Leviton 333mV Current Transformers (CTs) support the Series 4000, Series 4100, Series 7000, and Series 7100 lines of revenue-grade meters and help meet all measurement and verification-based opportunities, including smart metering and LEED rating achievement. Designed as part of a simple and effective process for accurately capturing measurements of power consumption, CTs are easy to specify and install for new construction and retrofits.

The better the equipment, the better the measurement. Leviton meters utilize highly accurate current transformers for revenue-grade performance certified to ANSI standards. For added safety, all Leviton current transformers come with built-in voltage suppression devices that prevent hazardous voltages from developing on CT secondaries should they become disconnected from a meter with load current present. Leviton CTs are UL and cUL listed devices.

SPLIT CORE
Split core CTs can be disassembled or ‘split’ into halves eliminating the need to turn power off and open the circuit during installation. This time-saving installation is ideal for critical loads that cannot be disconnected.

Leviton split core CTs are designed to close and lock to ensure a secure, fast and precise installation with no need for time-consuming tie wraps and no worries about improper seating or core separation.

- Indoor type for measurement category Class IV, accessory equipment for energy meters
- Designed to meet the requirements of UL916 plus CSA C22.2 No. 61010-1
- Suitable for installation on 600V uninsulated bus duct

ROGOWSKI COIL
Rogowski Coil CTs are flexible rope style CTs with high amperage ratings up to 5000A. The coil opens at the connector junction for fast and easy installation into an existing cable or bus bar. The Rogowski Coil’s flexible core is ideal for tight enclosures and odd-sized conductors with three length options: 12”, 16”, 18” and 24”. Rogowski Coil CTs are for use with VerifEye Series 4000, 4100, 7000, and 7100 Industrial ModBus and BACnet Meters.

Note: Leviton recommends solid core transformers (CTs) for revenue-grade accuracy. Split core CTs are also available upon request for applications where power cannot be interrupted during installation. The 100A-800A split core and 50-5000A Rogowski Coil CTs offer +/-1.0% accuracy.

APPLICATIONS
Use current transformers in commercial, institutional, industrial and government applications to support:

- Load profiling and benchmarking
- AMR/BAS/BMS/EMS integration
- Power quality analysis
- Usage aggregation
- Tenant cost allocation
- Measurement and verification
- Net metering
- Energy conservation and cost reduction
- Green building initiatives and government mandates

Leviton Manufacturing Co., Inc. Lighting & Controls
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**PRODUCT DATA**

**DIMENSIONAL DIAGRAMS — FOR USE WITH SERIES 4000, 4100, 7000 & 7100 INDUSTRIAL MODBUS & BACnet METERS**

**SPLIT CORE**

<table>
<thead>
<tr>
<th>CT Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>50A:333mV</td>
<td>1.16” (29.4mm)</td>
<td>0.4” (10.2mm)</td>
<td>0.4” (10.2mm)</td>
<td>1.04” (26.4mm)</td>
<td>1.64” (41.7mm)</td>
<td>-</td>
</tr>
<tr>
<td>100A:333mV</td>
<td>1.5” (38.10mm)</td>
<td>0.8” (20.32mm)</td>
<td>0.7” (17.78mm)</td>
<td>1.6” (40.64mm)</td>
<td>2.1” (53.34mm)</td>
<td>-</td>
</tr>
<tr>
<td>200A:333mV</td>
<td>1.5” (38.10mm)</td>
<td>1.25” (31.75mm)</td>
<td>1.25” (31.75mm)</td>
<td>2.25” (57.15mm)</td>
<td>2.8” (71.12mm)</td>
<td>-</td>
</tr>
<tr>
<td>400A:333mV &amp; 800A:333mV</td>
<td>4.9” (124.46mm)</td>
<td>2.29” (58.16mm)</td>
<td>2.25” (63.5mm)</td>
<td>1.2” (30.48mm)</td>
<td>5.2” (132.08mm)</td>
<td>6.0” (152.40mm)</td>
</tr>
</tbody>
</table>

**ROGOWSKI COIL**

Either 80” or 96” Cable (See ordering table for info)

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>INSIDE DIAMETER WITH CLOSED CONNECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>12” (305mm)</td>
<td>3.85” (98mm)</td>
</tr>
<tr>
<td>16” (406mm)</td>
<td>4.5” (115mm)</td>
</tr>
<tr>
<td>18” (458mm)</td>
<td>5.75” (147mm)</td>
</tr>
<tr>
<td>24” (610mm)</td>
<td>7.65” (195mm)</td>
</tr>
</tbody>
</table>

* Rogowski Coils are designed for use with specific meters. See the Ordering Information chart for meter compatibility.
The following products are also part of the Leviton line of VerifEye integrated metering solutions:

- Mini Meters
- Series 1000 Meters
- Series 2000 Meters
- Series 3500 Meters
- Series 4000 & 4100 Industrial ModBus & BACnet Meters
- Series 7000 & 7100 Meters
- Series 8000 Meters
- Multiple Meter Units (MMUs)
- Building Manager Online (BMO) 3.0
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Visit our Website at: www.leviton.com/verifeye
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