DENT’s Revenue Grade toroidal current transformers are designed for applications where an AC current signal must be transformed into a millivolt signal appropriate for microprocessor based circuits.

This series of CTs is designed specifically for integration into products which require exceptionally accurate signal transformation with low phase shift while exposed to harsh environmental operating conditions.

**KEY SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Window Size</th>
<th>0.5” (12.8mm)</th>
</tr>
</thead>
</table>
| Current Range | 5A Model: 0.05 - 10A AC  
20A Model: 0.2 — 40A AC  
50A Model: 0.5 - 100A AC  
100A Model: 1.0 — 200A AC |
| Output | 333.3 mV at rated current |
| Ratio Error | +/-0.2% at rated current (typical) |
| Phase Error | <0.2° |
| Accuracy Class | IEC 61869-2 Class 0.2  
IEEE C57.13 Class 0.3 |

* Depending on meter compatibility. See ELITEpro™ and PowerScout™ specifications for details.

**ELECTRICAL**

| Output | 333.3 mV at rated current |
| Wire Polarity | White = Hi, positive (+)  
Black = Low, negative (-) |
| Frequency Range | 50 to 400 Hz |

**MECHANICAL**

| Case Material | PBT resin, UL 94V-0, epoxy encapsulated |
| Leads (if equipped) | 2.4 M (8’), twisted pair, 24 AWG, 600V rated |
| Operating Temperature | -25°C to 85°C (-13°F to 185°F) |

**SAFETY**

| Working Voltage | 600 VAC, Category III |
| Dielectric Strength | 5400 VAC |
| Certification | Conforms to:  
UL STD 61010-1  
EN 60044-1  
Certified to:  
CAN/CSA STD C22.2 No. 61010-1 |

**CONTACT US**

DENT Instruments, Inc.  
Energy & Power Measurement Solutions  
An ISO 9001:2008 Certified Company  
925 SW EMKAY DRIVE  
BEND, OREGON 97702 USA  
541.388.4774 | 800.388.0770  
WWW.DENTINSTRUMENTS.COM

---

All specifications contained in this document are subject to change without notice.  
© DENT INSTRUMENTS, INC.  
rev032019