

# CT SPECIFICATIONS

## CLAMP-ON CURRENT TRANSFORMER

### 150A 2.0 CM (0.8") WINDOW



Clamp-on current transformers are the one-hand operating solution for temporary or long-term studies. They are designed to work in tight places and clamp around bus bars.

DENT's energy monitoring components are used for a variety of applications, including building automation, tenant submetering, performance verification, energy management and new technology assessment.



### ELECTRICAL SPECIFICATIONS

**Nominal Rating**  
150A

**Useful Current Range**  
2 to 150A AC

**Output Signal**  
2.22 mV/A  
333mV @ 150A AC

**Accuracy**  
2 to 80A: 1% Reading  
80 to 150A: 1.5% Reading

**Phase Shift**  
2 to 20A:  $\leq 3^\circ$   
20 to 80A:  $\leq 2^\circ$   
80 to 150A:  $\leq 2.5^\circ$

**Frequency Range**  
40 Hz to 10 kHz

### MECHANICAL SPECIFICATIONS

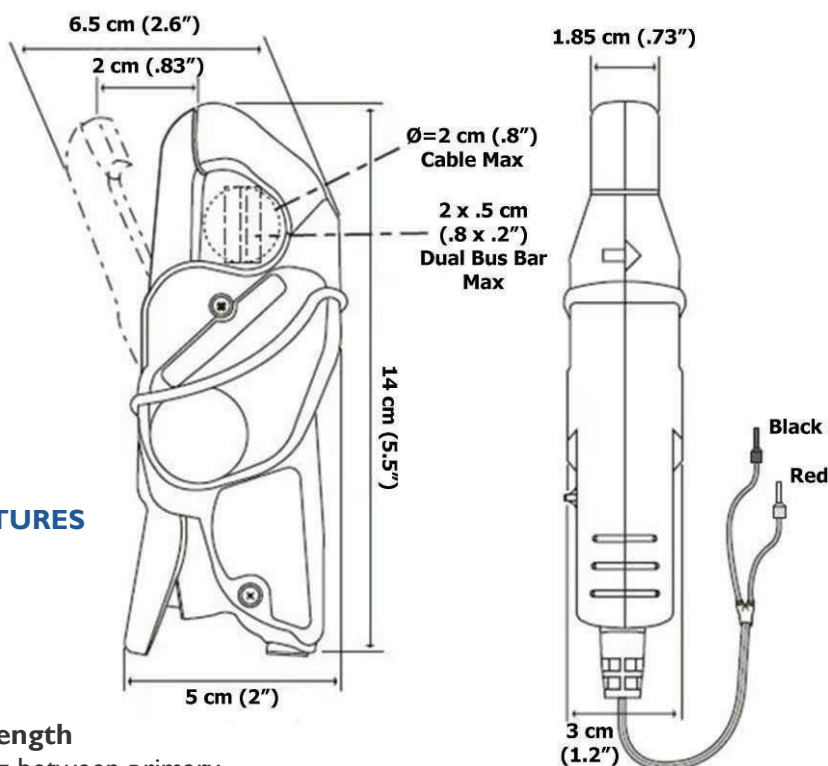
**Dimensions**  
14 x 5 x 3 cm (5.5 x 2.0 x 1.2")

**Maximum Cable/Bus Bar**  
Cable Diameter 2 cm (0.8")  
Bus bar 20 x 5 cm (0.8 x 0.2")

**Polarity**  
Red lead is positive

**Output Lead**  
Double insulated, 3 m (10 ft)

**Operating Temperature**  
-10° to 55°C (14° to 130°F)



### OTHER FEATURES

**Jaw Opening**  
2.0 cm (0.8")

**Weight**  
180 g (6.5 oz)

**Dielectric Strength**  
5550V, 50/60 Hz between primary, secondary and the outer case of the handle

**Storage Temperature**  
-40° to +70°C (-40° to 160°F)

**Case Protection**  
IP 40 (IEC 529)

**Drop Test**  
Test per IEC 68-2-32: 1.0 m drop on 38 mm of oak on concrete

**Mechanical Shock**  
Test per IEC 68-2-6

**Common Mode Voltage**  
30 Vrms

### SAFETY SPECIFICATIONS

**Working Voltage**  
Maximum 600 Vrms

**CE Mark**  
Extra insulation between electrical parts and handle; conforms to IEC 1010-2-032

### ORDERING PART NUMBER

CT-CON-0150-U (unterminated)  
CT-CON-0150-B (banana plugs)