

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

1000A

#### Useful Current Range

10 to 1200A AC

#### Output Signal

.333 mV/A

333mV @ 1000A AC

#### Accuracy

10A: ≤ 3%

50A : ≤ 1.5%

200A: ≤ 0.75%

1200A: ≤ 0.5%

#### Phase Shift

10A: ≤ 3°

50A : ≤ 1.5°

200A: ≤ 0.75°

1000A: ≤ 0.5°

1200A: ≤ 0.5°

#### Frequency Range

30 Hz to 5 kHz

### MECHANICAL SPECIFICATIONS

#### Dimensions

21.6 x 11.1 x 4.5 cm (8.5 x 4.4 x 1.8")

#### Maximum Cable/Bus Bar

Cable Diameter 5.2 cm (2.0")

Bus bar 5.0 x 0.5 cm (1.9" x 0.2")

#### Polarity

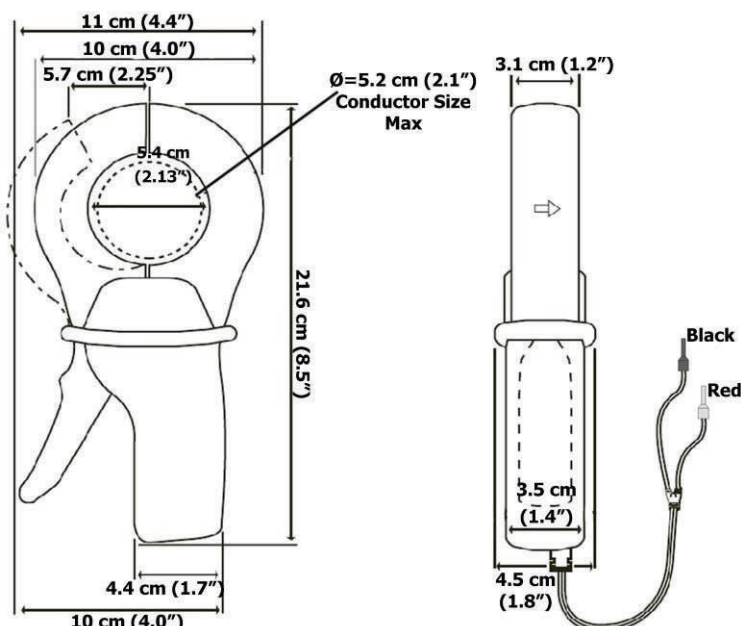
Red lead is positive

#### Output Lead

Double insulated cable, 3 m (10 ft )

#### Operating Temperature

-10° to 50°C (14° to 120°F)



### OTHER FEATURES

#### Jaw Opening

5.7 cm (2.25")

#### Weight

500 g (19.2 oz)

#### Dielectric Strength

600V Category III, Pollution 2

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)

Probe Enclosed

#### Drop Test

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

#### Mechanical Shock

100 g Test per IEC 68-2-27

#### 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-1000-U (unterminated)

CT-CON-1000-B (banana plugs)