# Split-Core Current Transformer

**MLCT75 .40" WINDOW**

MLCT75 Split-core current transformer is designed to provide a low cost method to monitoring electrical current. A unique hinge and locking snap allows attachment without interrupting the current-carrying wire. High secondary turn will develop signals up to 10.0 Vac across a burden resistor.


SHOWN APPROX. FULL SIZE

## Features

- Small Size
- Low cost
- High secondary turns
- Secure locking hinge

## Applications

- Portable instruments
- Sub-metering
- Monitor motor loads

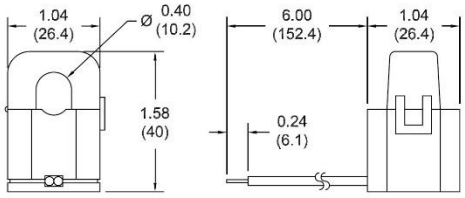
## Part Number

MLCT75 **Split-Core Current Transformer**

## Specifications

- Maximum Continuous Primary Current: 75 AAC
- Secondary Turns: 3000
- Wire Lead: AWG #18
- DC Resistance: 460 Ohms @ 20°C
- Frequency: 50/60 Hz

## Outline Drawing



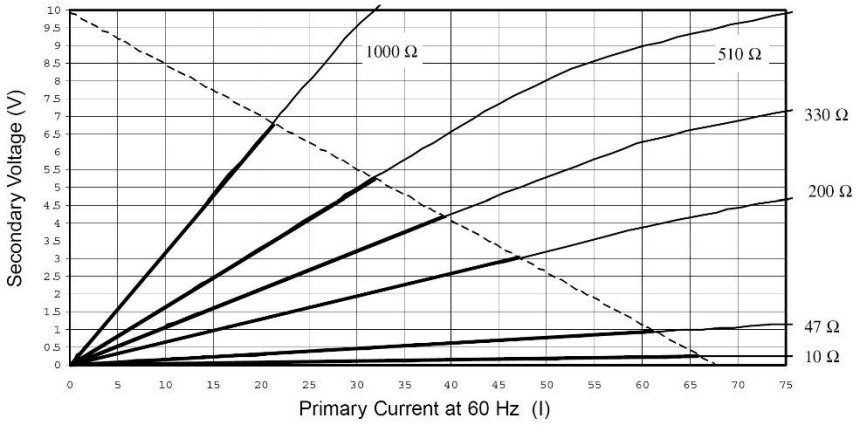

(mm)

## Agency Approval Data

- Wire Leads: AWG #18, UL 1015, 600 V, 105 °C
- Magnet Wire: UL E201757, .09 mm dia, 3UEW
- Dielectric (Hi-pot): 1000 V


On Volucalc with micro-switches, set switch relative sensor input, left for 15 Amps and center for 75 Amps.

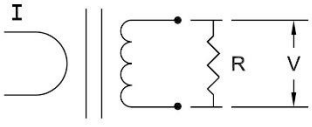
## Electrical Output




Bold lines indicate linear region according to formula:

$$V = \frac{I \times R}{3100}$$

**V** in Volts AC RMS
**I** in Amps AC RMS
**R** in Ohms

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Specifications can change without notice
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