

Solid-Core AC Current Sensor UCT-1000

1.00 Inch Opening With Ratings Up To 200 Amps

* Revenue Grade Available

Description:

Magnelab UCT-1000 Series are better than one percent accuracy and less than 1° phase angle. Output is controlled by a precision resistor fixed at the industry standard of 0.333 Volt AC. The rugged epoxy encapsulated construction comes with eight feet twisted leads. Custom outputs and other parameters are available at customer request.

Revenue Grade meets or exceeds IEC metering Class 0.5

Features:

- Rated input up to 200 Amp
- Output 0.333 Volt AC at rated current
- Linearity accuracy $\pm 1\%$ (+/-0.5% for Revenue Grade)
- Accuracy at 10% to 130% of rated current
- Operating temperature: -20°C to +110°C



- Phase angle $< 1^\circ$ measured at 50% rated current ($< 0.26^\circ$ for Revenue Grade)
- Operates from 30 Hz to 1,000 Hz
- 8 ft. twisted-pair lead, 22 AWG
- Maximum Voltage: 600 V (on bare conductor)
- UL Standard 61010-1, EN 60044-1

PART NUMBER AND RATING	
UCT-1000-000	No Burden Resistor
UCT-1000-050	50 Amp
UCT-1000-070	70 Amp
UCT-1000-100	100 Amp
UCT-1000-150	150 Amp
UCT-1000-200	200 Amp

DIMENSION	INCH	MM
A	1.000	25.40
B	2.400	60.96
C	0.800	20.32

