

# Split-Core AC or DC Voltage Output Current Transducer. Hall Effect Current Sensor HCT-0016-100, ± 4 V Output (AC or DC Depending on Input Signal) 16mm Opening With Rating of 100 Amps

## Description:

Magnelab's HCT-0016-100 split-core current transducer "senses" AC or DC current up to 100 amps passing through the center conductor. Split-core transformers are ideal for installation on existing electrical wiring by snapping around the conductor. The HCT-0016-100 has a self-locking mechanism.

## Features:

- Rated input up to 100 Amps AC or DC
- Output of ± 4 V at rated current (AC or DC)
- Accuracy 1% at rated current
- System Voltage: DC 500 V, AC 1500 V / 1 min. withstand
- UL recognized IEC 61010-1, CE, and RoHS Compliant
- Lead length 15" ±0.50"

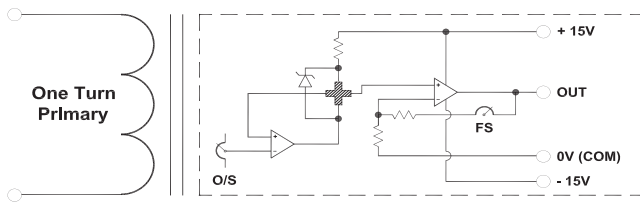
- Power Supply ±15 V (25mA)
- Offset voltage ± 100 mV max, ±30 mV max for 50 Amp and up
- Noise level less than 20mVp-p
- di/dt response 3u sec (typ.) at Full scale (DC to 167 KHz)
- Operating temperature -10°C to 60°C
- Temperature Impact: ±0.4% / °C, ±0.2% / °C for Amp and up



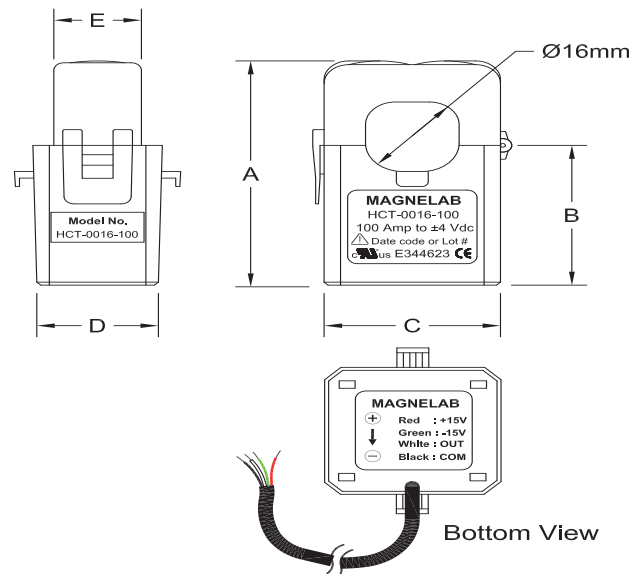
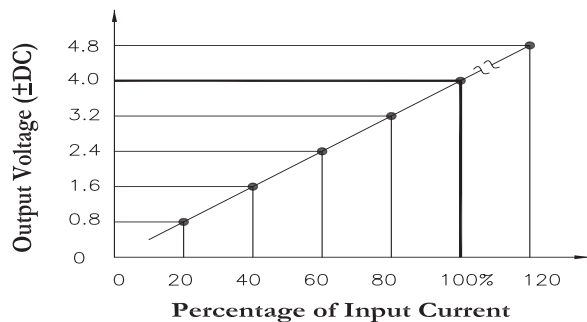
Bottom View

PART NUMBER AND RATING		SATURATION CURRENT
HCT-0016-005	5 Amp	7.5 AT
HCT-0016-010	10 Amp	15 AT
HCT-0016-020	20 Amp	30 AT
HCT-0016-025	25 Amp	37.5 AT
HCT-0016-050	50 Amp	75 AT
HCT-0016-100	100 Amp	150 AT

DIMENSIONS	INCH	MM
A	1.82	46.0
B	1.03	26.1
C	1.18	30.0
D	1.25	31.7
E	0.76	19.3



SCHEMATIC



Bottom View