

# Split-Core DC Voltage Current Transducer Hall Effect Current Sensor

HCT-0010-XXX,  $\pm 4$  Vdc Output  
10mm Opening With Ratings Up to 50 Amps

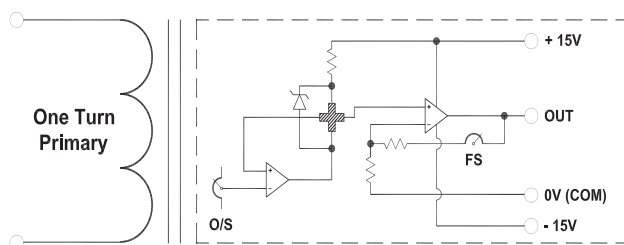
## Description:

Magnelab's HCT-0010-XXX split-core current transducer "senses" DC current up to 50 amps passing through the center conductor. Split-core transformers are ideal for installation on existing electrical wiring by snapping around the conductor. The HCT-0010-XXX has a self-locking mechanism.

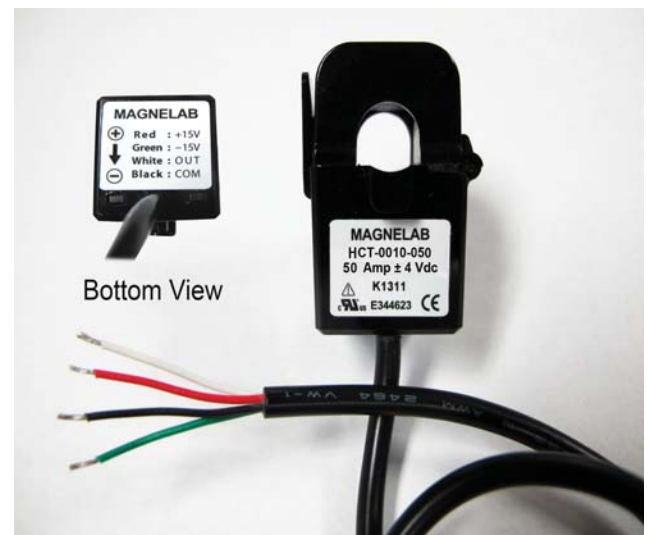
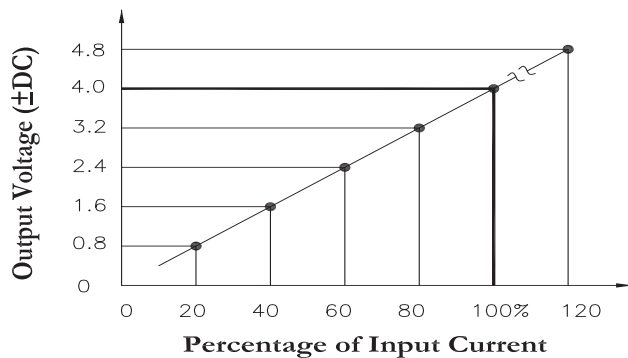
## Features:

- Rated input up to 50 Amps DC
- Output of  $\pm 4$  Vdc at rated current
- Accuracy 1% at rated current
- System Voltage: DC 500 V , AC 1500 V/1min. withstand
- UL recognized IEC 61010-1, CE, and RoHS Compliant

PART NUMBER AND RATING		SATURATION CURRENT
HCT-0010-005	5 Amp	7.5 AT
HCT-0010-010	10 Amp	15 AT
HCT-0010-020	20 Amp	30 AT
HCT-0010-025	25 Amp	37.5 AT
HCT-0010-050	50 Amp	75 AT



SCHEMATIC



- Lead length 15"  $\pm 0.50$ "
- Power Supply  $\pm 15$  V (25mA)
- Offset voltage  $\pm 30$  mV max
- Noise level less than 20 mVp-p
- di/dt response 3u sec (typ.) at Full scale
- Operating temperature -25°C to 75°C
- Temperature Impact:  $\pm 0.2\%$  / °C

DIMENSION	INCH	MM
A	1.60	40.50
B	0.91	23.10
C	0.93	23.70
D	1.05	26.60
E	0.58	14.70

