

Split-Core AC or DC Voltage Output Current Transducer. Hall Effect Current Sensor HCT-0010-XXX, ±4 V Output

(AC or DC Depending on Input Signal)
10mm Opening With Ratings Up to 50 Amp

Description:
Magnetlab's HCT-0010-XXX split-core current transducer "senses" AC or 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:

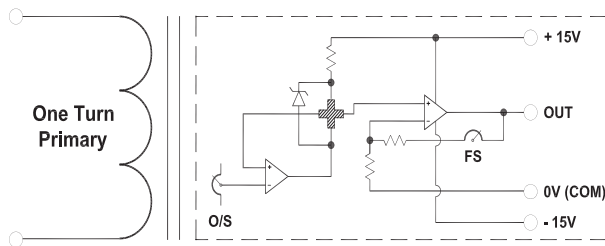
- Rated input up to 50 Amps AC or DC
- Output of ±4 V at rated current (AC or DC)
- Accuracy 1% at rated current
- System Voltage: DC 500 V , AC 1500 V/1min. withstand
- UL recognized IEC 61010-1, CE, and RoHS Compliant



- Lead length 15" ±0.50"
- Power Supply ±15 V (25mA)
- Offset voltage ±100mV max, ±30 mV max for 50 Amp
- 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 50 Amp

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

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



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