

Split-Core AC or DC Voltage Output Current Transducer. Hall Effect Current Sensor HCT-0024-XXX, ± 4 V Output (AC or DC Depending on Input Signal)

24 mm Opening With Ratings Up to 250 Amps

Description:
Magnetlab's HCT-0024-XXX split-core current transformer "senses" AC or DC current up to 250 Amps passing through the center conductor. Split-core transformers are ideal for installation on existing electrical wiring by snapping around the conductor.

Features:

- Rated input up to 250 Amp AC or DC
- Output of ± 4 V at rated current (AC or DC)
- Accuracy at 1% at rated current
- System Voltage: DC 500 V, AC 1500 V/ 1 min. withstand
- UL recognized IEC 61010-1, CE, and RoHS Compliant

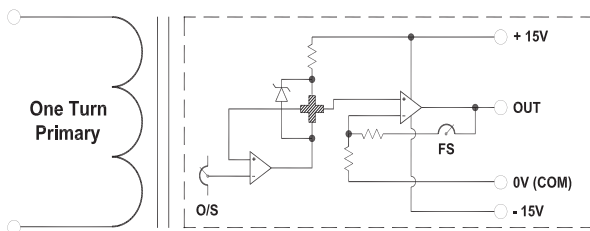


Bottom View

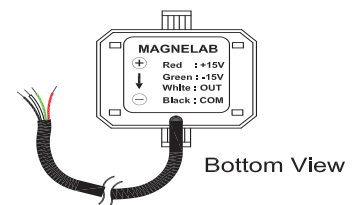
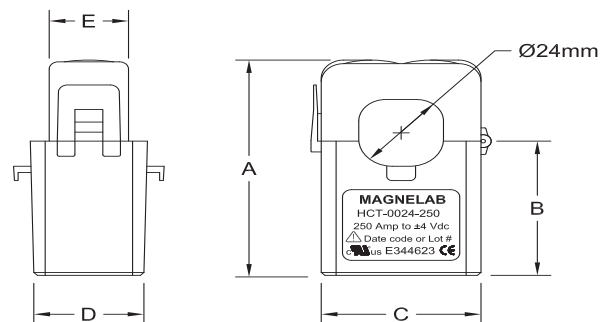
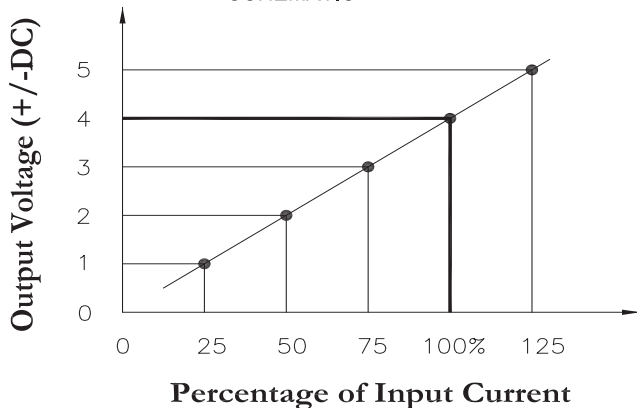
- Lead length 15" \pm 0.50"
- Power Supply ± 15 V (25mA)
- Offset voltage ± 20 mV max
- Noise level less than 10mVp-p
- di/dt response 3u sec (Typ.) at full scale (DC to 167 KHz)
- Operating temperature -10°C to 60°C
- Temperature Impact: $\pm 0.1\%$ / °C

PART NUMBER AND RATING	INPUT	SATURATION CURRENT
HCT-0024-200	200 Amp	250 AT
HCT-0024-250	250 Amp	625 AT

DIMENSION	INCH	MM
A	2.63	66.8
B	1.48	37.6
C	1.77	45.0
D	1.33	33.8
E	0.87	22.1



SCHEMATIC



Bottom View