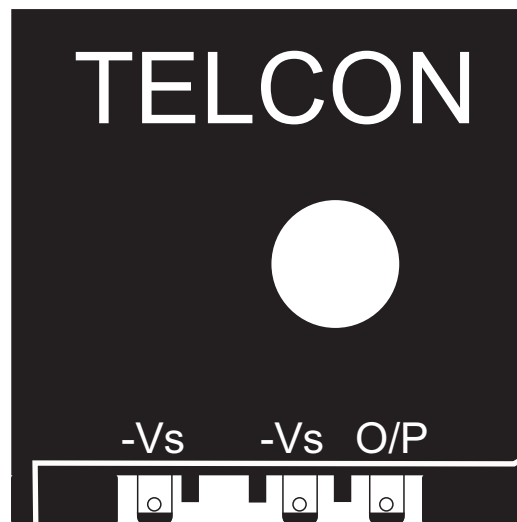




Speciality Magnetic Components  
QUALIFIED to ISO 9001:2008

## Panel Mounting Hall Effect Current Transformer Type HT100/2K



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The HT100/2K is a closed loop Hall Effect Current Transformer suitable for measuring currents up to 100A. The product provides an output current, galvanically isolated from the primary conductor into an external load resistance.

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### Features

- High Accuracy
- 3 kV Proof Stress
- Fast Response
- Designed in Quality

### Benefits

- Galvanic Isolation
- Ease of assembly
- High Reliability
- Non Invasive

### Applications

- Variable Speed Drives
- UPS Systems
- D.C. Power Supplies
- Low Frequency Current Measurement
- Overcurrent Protection
- Robotics
- Frequency Inverters
- Power Factor Monitoring

## TECHNICAL DATA

Nominal Primary Current	100A
Turns Ratio	2000:1
Nominal Power Supply	$\pm 15V \pm 5\%$
Power Supply Current	16mA per rail + output current
Minimum Load Resistance	0 $\Omega$ (0-100A)
Operating Temperature Range	12? (0-300A)
Storage Temperature Range	0 to +70°C -25°C to +85°C

## SPECIFICATION

Linearity	0.1% of nominal primary current.
Limit of Linearity	$\pm 300A$ peak value
Overall Accuracy	1% of nominal primary current
Output Zero Adjustment	$< \pm 500\mu A$ at primary current +0A
Zero Offset/Temperature	$< 5\mu A/^\circ C$
Zero Offset/Supply Variation	$< 5\mu A/V$
Coil resistance	18 $\Omega$
Bandwidth (-1dB)	dc to 70kHz min.
di/dt following	$> 50A/\mu s$
Delay Time	0.1 $\mu s$
dV/dt Immunity	10kV/ $\mu s$
Proof Stress Voltage	3kV a.c., rms, 50Hz for 1 minute, bore to output terminals

## GENERAL DATA

Weight	110g nominal
Housing	Modified Polyphenylene Oxide
Terminations	3 off 4.8mm Euro Standard Faston Terminals
Signal Sense	Positive output obtained when current flows in direction of arrow
Conductor Temperature	The temperature of the primary conductor should not exceed 100°C
Conductor Position	Optimum dynamic performance is achieved with a single conductor filling the bore

## DIMENSIONS]

