Current sensors

PI and PI-600

Features

- High accuracy
- Wide frequency range
- Excellent linearity
- Safety isolation
- PC board mount

Applications

- Industrial
- Automotive
- Appliances
- Battery monitoring
- Load monitoring

Contact

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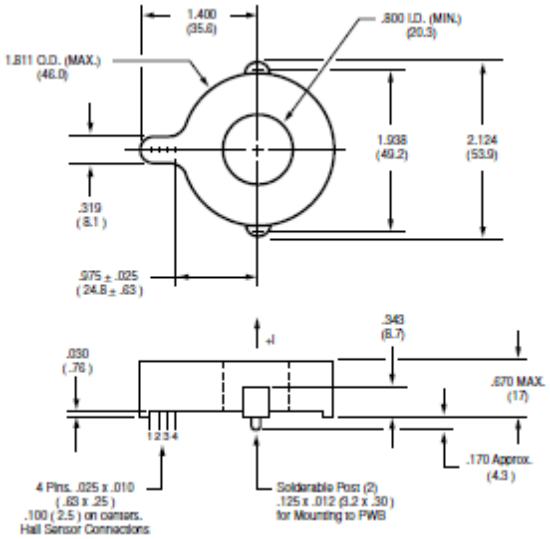
The PI and PI-600 Hall effect current sensors accurately measure DC and AC currents and provide electrical isolation between the output of the sensor and the current carrying conductor.



Current sensors
PI and PI-600

Specifications

Model:	PI	PI-600
Full scale DC or AC peak	350 A	600 A
Full scale output	175 to 385 mV	150 to 330 mV
AC Bandwidth	DC to 1 kHz	
Response time	< 50 µs	
Maximum excitation current	40 mA	
Input resistance	30 to 120 mA	
Output sensitivity	0.5 to 1.1 mV/A	0.25 to 0.55 mV/A
Typical zero current offset	3 mV	
Maximum zero current offset	16 mV	
Maximum hysteresis of offset	2 mV	1.4 mV
Minimum load resistance	>10 k ohms	
Output resistance	70 to 300 ohms	
Typical offset drift with temperature	20 µV / °C	
Maximum offset drift with temperature	50 µV / °C	
Typical sensitivity drift with temperature	-0.05 % / °C	
Maximum sensitivity drift with temperature	-0.07 % / °C	
Dielectric test	6 kV	
Output short or open	No damage	
Operating temperature range	-40° C to 100° C	
Storage temperature range	-40° C to 110° C	
Aperture opening	0.80 in (20.3 mm)	
Package	Potted, flame retardant plastic case	
Weight	17 g	

Note: Due to continuous process improvement, specifications are subject to change without notice