


Current Sensors (AC or DC)

	RATED INPUT CURRENT	: 100 Amps. MAX.
	LINEAR RANGE	: 0 - 150 Amps.
	OUTPUT	: 0 - 2 VOLTS (NOMINAL) *
		at full rated current
	ZERO CURRENT OFFSET	: +/- 0.5 mA
		at zero input current
	LINEARITY OF OUTPUT	: WITHIN +/- 1% OF
		full scale input current
	SUPPLY VOLTAGE	: +/- 12 V DC (+/- 5%)
	INSULATION RESISTANCE	: 500 meg ohm min
		at 500 V DC
	SIZE	: L = 47mm
		H = 41mm
		W = 13mm
	HOLE DIA	: 13mm.
	WEIGHT	: 60Gms.
	** CAN BE INCREASED WITH MULTIPLE TURNS	

Hall effect Current Sensor gives isolated DC voltage out put proportional to the AC or DC Current passing through. Sensors with higher Current ratings are in the offing.

Normally Current Sensors use resistive shunt or AC Current transformer. These two methods have limitations and disadvantages.

Systems new Current Sensor uses Hall effect to sense AC or DC Current. The sensor is totally isolated from main Current and not susceptible to external disturbances.

Current Sensors has linearity over the range exceeding one and half times. This gives an ability to withstand the overload without damaging Current sensor. Further more, electric burden is minimum as there is no resistive element in the series path or no transformer burden as in the case of AC Current transformer.

Current Sensors are not bulky and size does not increase with the Current rating. They are compatible with existing conventional measuring devices.

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