

## Current sensors

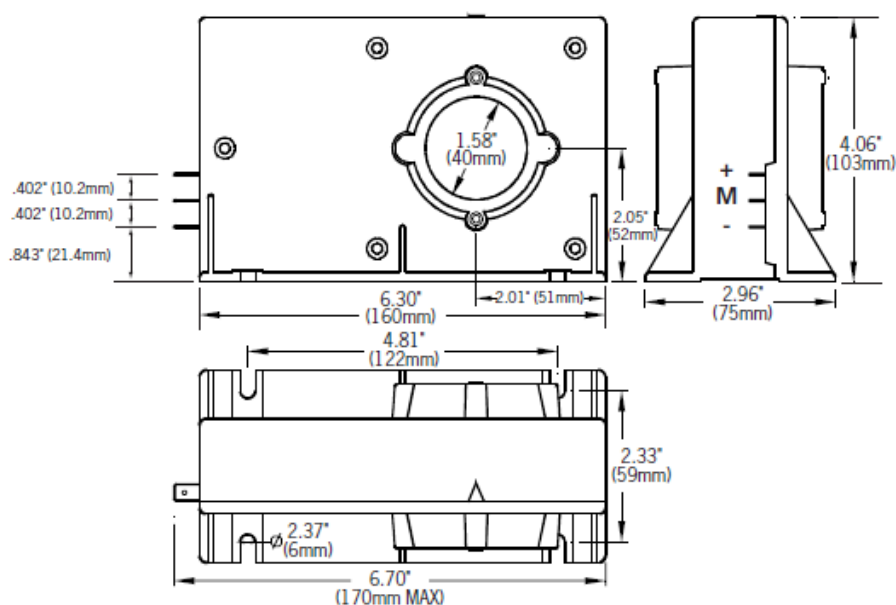
# CLSM- 1000/2000 series



The CLSM models are closed loop Hall effect current sensors that accurately measure DC and AC currents and provide electrical isolation between the current carrying conductor and the output of the sensor.

### Model **CLSM-2000**

#### Mechanical Dimensions



#### Features

- Noncontact measurement of high current
- High overload capacity
- Fast response
- High accuracy
- Measure AC, DC, and pulse currents

#### Applications

- Variable speed motors
- Welding equipment
- Power supply equipment
- Measure and control system
- Over current protection
- Protection of power semiconductors

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# CLSM- 1000/2000 series

### Specifications

<b>Model:</b>	<b>CLSM-1000</b>	<b>CLSM-1000B</b>	<b>CLSM-2000</b>
Nominal current	1000 A	1000 A	2000 A
Current range	0 to 1500 A	0 to 1500 A	0 to 2500 A
Nominal output current	200 mA	250 mA	400 mA
Turns ratio	5000/1	4000/1	5000/1
Supply voltage	15 to 18 V DC	15 to 24 V DC	15 to 24 V DC
Current consumption		20 mA + output current	
Overall accuracy at 25 °C		±0.5%	
Zero current offset at 25 °C	< 0.2 mA	< 0.6 mA	< 0.6 mA
Offset current temperature drift	< 0.3 mA	< 0.9 mA	< 0.3 mA
Linearity	>0.1%	>0.2%	>0.1%
Response time		Better than 1 µs	
Frequency range		DC to 100 kHz	
Operating temperature	-25 to 85 °C	-40 to 70 °C	-25 to 85 °C
Storage temperature	-40 to 100 °C	-50 to 85 °C	-40 to 100 °C
Package		Flame retardant plastic case	
Weight		892 g	
Mounting		Panel mount via 4 holes, 6 mm diameter	
Isolation voltage		10 kV / 50 Hz / min.	
Output connection		3 Faston terminals	
Aperture size		40 mm diameter	

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