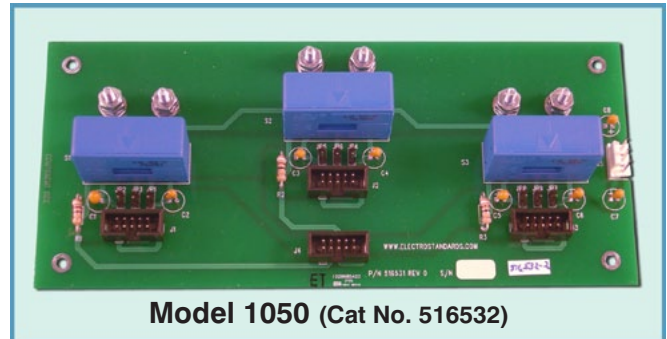


Three Channel Current Sensor Board (50 Amp x 3)

INTRODUCTION:

The Model 1050 is a three channel closed loop (compensated) current sensor board which uses the Hall effect. The board contains three independent **50 amp** current sensors, which can either be independently powered or bussed together by means of jumper settings. Sensor full scale can be scaled by applying wire turns through the sensor body.



SPECIFICATIONS:

General Data:

Primary Nominal RMS current **50A**
Primary Current Measurement Range 0, +/-70A
Supply Voltage (+/-5%) +/-12V, +/-15V

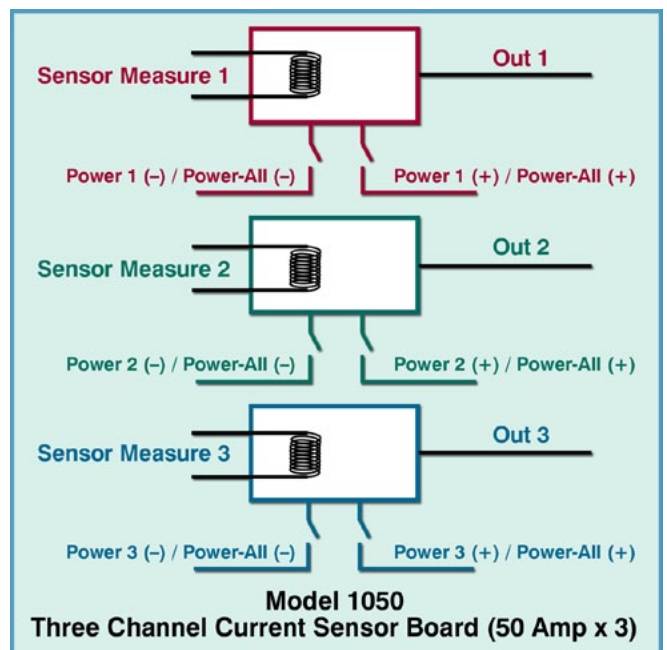
Measuring resistance @ 12 V – 91 Ohms
Secondary nominal RMS current 50mA
Conversion Ratio 1:1000

Accuracy (@ +/-15V) +/-0.45%
(@ +/-12V) +/-0.70%

Reaction Time @10% of IPN – <500ns
Response Time @90% of IPN – <1µs
Frequency Bandwidth (-1 dB) – DC, 200 kHz
Ambient operating temperature -41 to +85°C

Mechanical (Board Only):

Model / Cat No: 1050 / 516532
Size: 8.0" x 3.5" x 1.27" (20.3 x 8.9 x 3.2 cm)
Weight: 4.6 oz (130.41g)
Mounting: Four 0.15" Mounting Holes



OPTIONAL: Connector Kit Cat No 517258



OPTIONAL: Mating Connector Kit includes: To Order Use Cat No 517258

- (4) 10-Position (5 x 2) IDC connector with strain relief.
- (1) 20C, 28 AWG rainbow ribbon cable, 4 foot length.
- (1) 3-Position 0.156" spacing, female connector housing.
- (3) Female crimp contacts for 0.156" connector (for 12-18 AWG wire).
- (9) 0.1" spacing, shunt clips.