

## DATA SHEET

Form 445-010201

Part Number	Description
AD16T	0-5 Amp Input Isolated

### Description

The AD16T module provides a single channel of optically-isolated true RMS current-to-digital conversion. Modules plug into any Standard Analog I/O rack and are secured by a captive screw. Field connections to the module are made via two terminals on the top of the analog I/O module. The AD16T is transformer as well as optically-isolated to eliminate any ground loop problems. An ideal input is the 5-amp secondary of a standard current transformer used to monitor AC line current.



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### Specifications

#### ADT16T Specifications

Input	0 - 5 amps AC/DC
Input Impedance	.02 Ohms
Maximum Input	8 amps AC/DC
Accuracy	±25 mA
Resolution	12 bits
Response Time	Full-scale step change in 100 ms
Isolation Input-to-Analog Supply (T model)	4,000 Vrms 4,000 Vrms
Power Requirements	35 mA at +15 VDC 35 mA at -15 VDC
Ambient Temperature: Operating Storage	0° to 70° C - 25° to 85° C

### Connections

CONNECTION DIAGRAM

