INPUT MODULES
DI 5032

- Two Independent 16 Bit Digital Input
- Channels
- TTL Compatible
- D-Subminiature (37 Pin) Mating
- Connector Kit

Optim'S DI 5032 Digital Input Module provides two 16-bit parallel input channels for connecting digital sensors and other external digital sources directly to the MEGADAC.

Inputs are TTL compatible in 2's compliment, binary, or BCD data formats.

DI 5032
Optim Part NBR – PL1412

Specifications

INPUT	
Number of Input Channels	2 (16-Bit) channels/module
Input Signal Level	CMOS compatible (optional TTL compatible) Internal 10 KOhm pull up resistors Operates with inputs of up to +/- 20 Volts
CONNECTOR	D-Subminiature 37-Pin

TYPICAL MEASUREMENT APPLICATIONS

- ☐ AC Operated Sensors
- ☐ Acceleration
- ☐ Analog Voltage
- ☐ Angular Displacement
- ☐ Capacitive Sensors
- ☐ Charge Mode Transducers
- ☐ Current Sensors
- ☐ Conditioned Signal Measurements
- ☑ **Digital Bit Stream Inputs**
- ☐ Displacement
- ☐ Distance
- ☑ **Engine Performance Monitoring**
- ☐ Excitation (Unipolar)
- ☐ Excitation (Bipolar)
- ☐ Flow Meters
- ☐ Force Transducers
- ☐ Frequency (Using InLine F to V)
- ☐ Humidity
- ☐ Integral Electronics Sensors (IES)
- ☐ IRIG-B Time/Date Synchronization
- ☐ Level Sensors
- ☐ Load Cells
- ☐ LVDT's (AC)
- ☐ LVDT's (DC)
- ☐ Moisture Content
- ☑ **Monitoring Switch Closures**
- ☐ Period
- ☐ Piezoelectric Sensors
- ☐ Position Transducers
- ☐ Power
- ☐ Pressure
- ☐ Pulse Encoders
- ☐ Pulse Sensors
- ☐ Rate
- ☐ Resistive Sensors
- ☐ Rotary Transformer Torque Cell
- ☐ Rotational Speed Comparison
- ☐ RTD's
- ☐ RVDT's
- ☐ Speed Sensors
- ☐ Strain Gages 1/4 Bridge
- ☐ Strain Gages 1/2 Bridge
- ☐ Strain Gages Full Bridge
- ☐ String Pots
- ☐ System Synchronization with External IRIG Devices
- ☐ Temperature Measurements E,J,K & T Type TC's (Centigrade & Fahrenheit)
- ☐ Thermistors
- ☐ Time/Data Correlation (IRIG)
- ☐ Torque Sensors
- ☐ Totalizer
- ☐ Velocity
- ☐ Vibrating Wire Gages: Strain Gages, Load Cells & Bolts, Pressure Transducers, Stressmeters, Jointmeters, Crackmeters, Temperature
- ☐ Voltage Measurements
- ☐ Voltage Source

ANALOG OUTPUT APPLICATIONS

- ☐ Analog Output
- ☑ **DAC Playback with DAC 5416**
- ☐ Controller Test Stands
- ☑ **Real-Time Monitoring**
- ☐ Signal Conditioning for External Devices such as Simulator Servo Controllers