



TITAN Digital Analog Converter

DAC1602-23

Digital to Analog Converter provides analog output conversion of Titan Mini-Recorder data

Key Features:

- Seamless integration with individual Titan Input Modules as well as Titan CPU-based systems
- Permits separation of input and output modules by providing a digital link for analog signals over distance (up to 300 ft) via standard Ethernet CAT 5/6 cable
- Supplies power to Titan Input Modules, eliminating the need for additional power sources
- Signals may be recorded when connected to a PC, Titan CPU or Titan Mini-Recorder, as well as monitored in real-time on the PC
- Simplified user interface provides easy operation under difficult operating conditions



Applications:

- Sixteen channel analog output for monitoring and control applications
- Closes outer loop on simulator system

Specifications:

<i>Number of Channels</i>	16 on BNC connectors
<i>Output Sample Rate</i>	1200 samples/second
<i>Output Bandwidth</i>	150 Hz
<i>Sensor Balance Values</i>	Output is automatically offset to include the balance value used for the sensor
<i>Output Voltage Option</i>	0 to +5V, or $\pm 10V$
<i>Output Filter Option</i>	150 Hz, 3 Pole reconstruction filter
<i>Digital Interface</i>	(2) RJ-45 connectors (COMM Pod, COMM CPU), USB
<i>Power Requirements</i>	11-32 VDC @ 1.4W; 5W typical when powering a Titan Input Module
<i>Dimensions / Weight</i>	13.5 cm x 10.6 cm x 4.0 cm (L x W x H) / Weight 475g

Expansion Card Option

Also available as a Mini-DAC expansion card, incorporating the DAC output function into a Titan Input Module (as shown below), eliminating the need for extra hardware when a compact analog output solution is desired. Mini-DAC expansion cards can also be retro-fitted into existing Titan 'B' series devices (contact the factory for more information).



For the Mini-DAC, the analog output is implemented on a DB25F connector