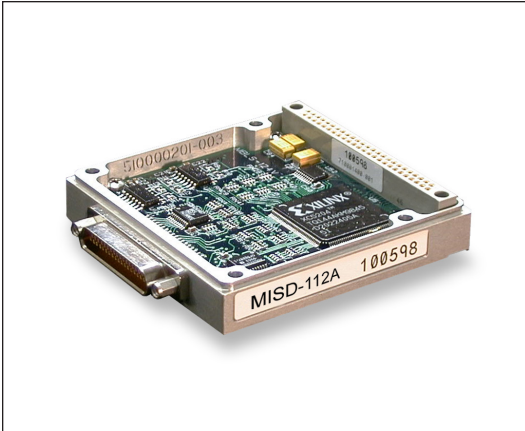


12-Bit Isolated Digital Input Module



Applications

- Flight Test Instrumentation
- Factory Automation and Process Control
- Research Measurements and Experiments

Features

- 12-Bit Parallel Digital Input
- 1,000 Volt DC Galvanic Isolation, Bit to Bit and all Bits to System
- Input Sample Rate to 20K Samples/Sec.
- Current/Voltage Differential Inputs
- Inputs Can Be Configured for 5 Volt or 3.3 Volt TTL Compatibility
- Inputs Reverse Voltage Protected
- ± 60 VDC Overvoltage Protection
- Windows 95/98/NT/2000 Software Included

Description

The MISD-112A is an isolated 12-bit digital input plug-in module for use in TTC's MEDAU-2000 and MCDAU-2000 products. The module provides a 12-bit digital input value for transmission in the system PCM output format and is intended for applications with multiple on/off signals requiring galvanic isolation of up to 1,000 volts DC, from bit to bit and/or from all bits to system ground. All inputs are differential via high-speed opto-isolators requiring only 2.2mA of LED current for a logic 1 state. When the + side of an input is connected to the +3.3V or +5V supply rail, the - side may be driven directly by a TTL compatible output. In this configuration, the TTL output will nominally sink 3.9mA. Inputs are current limited to 3.9mA with reverse polarity and overvoltage protected to ± 60 VDC.

Revision 02/24/2009

MISD-112A Datasheet

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Specifications subject to change without notice.

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

Teletronics - A Curtiss-Wright Company
15 Terry Drive, Newtown, PA 18940
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com