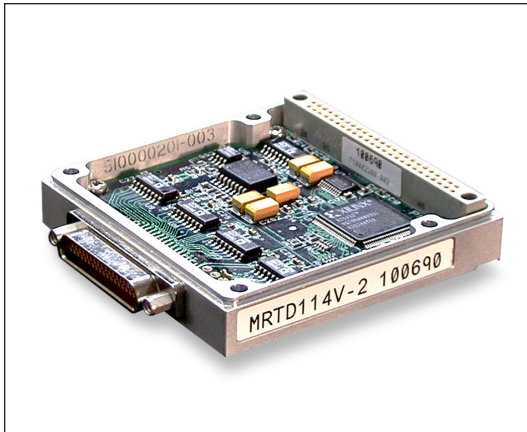


14-Channel RTD Conditioner w/Multiplexed Current Excitation



Applications

- Flight test instrumentation
- Factory automation and process control
- Research measurements and experiments

Features

- 14-channel RTD conditioner module
- Dual tracking constant current excitation per module
- Compatible with the MEDAU/MCDAU-2000 system
- Four software programmable gains per module
- $\pm 0.5\%$ system accuracy
- Zero calibration and voltage substitution
- 1,000 kilohms input impedance
- ± 35 VDC overvoltage protection
- Programmed with Microsoft Windows based software
- Microsoft Windows application software included

Description

The MRTD-114V is a 14-channel RTD signal conditioning module for use in TTC's MEDAU/MCDAU-2000 series products. The module provides dual-tracking constant current excitation and signal conditioning for RTD inputs. The excitation is multiplexed to each channel resulting in minimal transducer self-heating. The excitation level is programmable by the user. Each channel has programmable gain capability (additional gain/offset programmability is provided in the MEDAU/MCDAU-2000 overhead). The conditioned analog signal is digitized at up to 12-bit resolution for transmission in the system PCM output format.

Revision 05/12/2015

MRTD-114V Datasheet

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Specifications subject to change without notice.

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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