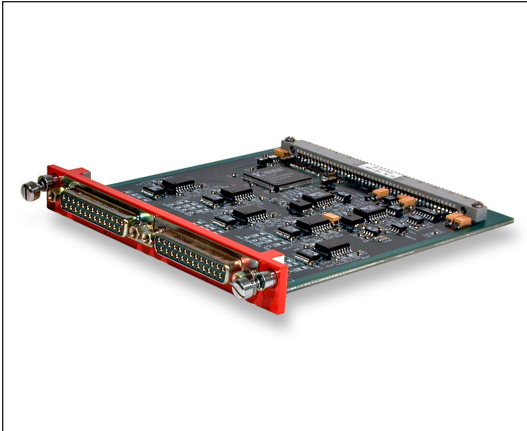


### 20-Channel RTD Conditioner Card w/Constant Current Excitation



#### Applications

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

#### Features

- RTD Conditioner Card
- 20-Channels per Card
- Dual-Tracking Constant Current Excitation
- 4 Software Programmable Gains per Card
- >1,000 Megohms Input Impedance (Power On)
- $\pm 0.5\%$  System Accuracy
- Windows 95/98/NT/2000 Software Included

#### Description

The RTD-120A is a 20-channel RTD signal conditioning card for use in TTC's EDAU-20XX or CDAU-20XX series products. The card 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 on a per-card basis by the user. Each channel has programmable gain capability (additional gain/offset programmability is provided in the EDAU/CDAU-20XX overhead). The conditioned analog signal is digitized at up to 12-bit resolution for transmission in the system PCM output format.

Revision 03/13/2009

#### RTD-120A Datasheet

©2009 Teletronics - A Curtiss-Wright Company  
 Specifications subject to change without notice.

Approved for Public Release 13-S-2887

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](http://www.ttcdas.com)



CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008