

3-Channel LVDT/RVDT Conditioner Card - 2 or 3/4 Wire Configuration



Applications

- Airborne Instrumentation
- Position Feedback
- Process Control Systems

Features

- LVDT/RVDT Conditioner
- High Performance Ratiometric Tracking Linear Converter
- 3-channels per card
- 14 Bit Resolution with Over-range
- Software Programmable Input Range
 - From $1V_{RMS}$ to $10V_{RMS}$ (Per Channel)
- Software Programmable Excitation Source
 - Programmable Frequency 400 Hz to 10 kHz
 - Programmable Amplitude 2 to $6V_{RMS}$
- User Configurable Wiring
 - 2 wire Configuration or 3/4 wire Configuration for LRV-103-1, and LRV-103-3
 - 2 wire Configuration for LRV-103-2, and LRV-103-4
- +/-0.2% System Accuracy
- Windows 95/98/NT/2000 Software Included

Description

The LRV-103-1, and the LRV-103-2 are 3-channel LVDT/RVDT signal conditioning card for use in TTC's EDAU-20XX and CDAU-20XX products. The LRV-103-3, and the LRV-103-4 are 3 channel LVDT/RVDT signal conditioning cards for use in TTC's WDAU-20XX systems up to 20Mbps bitrate. The card provides high performance, ratiometric tracking and linear conversion to 14 bit resolution. An over-range indicator bit is also provided. The input accepts either 2-wire or 3/4 wire input configurations for the LRV-103-1, and LRV-103-3, and accepts 2-wire input configurations for the LRV-103-2, and LRV-103-4. An AC excitation source is provided that has programmable output frequency and amplitude. The input range is software programmable from $1V_{RMS}$ to $10V_{RMS}$. The card operates from 400 Hz to 10 kHz.

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LRV-103 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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