

2-Channel LVDT/RVDT Conditioner Module



Applications

- Airborne instrumentation
- Position feedback
- Process control systems

Features

- LVDT/RVDT conditioner
- High performance ratiometric tracking linear converter
- 2-channels per module
- 14 bit resolution with over-range
- Software programmable input range
 - From 1VRMS to 10VRMS (per channel)
- Software programmable excitation source
 - Programmable frequency 400 Hz to 10 KHz
 - Programmable amplitude 2 to 6 VRMS
- User configurable wiring
 - 1 or -3: 2 or 3-wire configuration
 - 2 or -4: 2-wire configuration
- +/-0.2% system accuracy
- Microsoft Windows application software included

Description

The MLRV-102E is a 2-channel LVDT/RVDT signal conditioning module for use in TTC's MEDAU-2000 and MCDAU-2000 products. The module 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 (-2 or -4) or 3-wire (-1 to -4) input configurations. An AC excitation source is provided that has programmable output frequency and amplitude. The input range is software programmable from 1 VRMS to 10 VRMS. The module operates from 400 Hz to 10 KHz.

Revision 02/15/2012

MLRV-102E Datasheet

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Specifications subject to change without notice.



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