

High Speed (40MHZ) , High Shock (275g) PCM Encoder



Applications

- Missile and Weapons Performance Testing
- Aircraft, UAV and Targets Flight Testing
- Vehicle Performance Testing
- Space Applications
- Research, Measurements and Experiments

Features

- Stand-alone operation
- PCM encoder
 - 32 analog channels
 - 12 discrete channels
 - 2 digital channels
- Integral signal conditioning capability:
 - RTD, general purpose
 - Bi-Level, SDLC digital data
- High speed operation to 40 Mbps
- Programmable bit rate and bits per word (8 through 16) on a format basis
- Buffered data outputs
 - Filtered RNRZ-L telemetry data output (SE output for 50 ohm load)
 - RNRZ-L data/clock output (RS-422)
 - NRZ-L for diagnostics (RS-422)
- Built-in flexibility
 - Programmable via serial RS-232 connection
 - PC-based software application provided (PCM-3214-HS setup software™)
- Diagnostics & maintenance via RS-232
- Overall analog system accuracy: +/-1%

Description

The PCM-3214-HS-3 is a high-speed, stand-alone PCM encoder with integral signal conditioning. The unit handles up to 32 analog channels, 12 discrete channels, and 2 serial digital channels. The analog input channels consist of 12 RTDs and 20 general purpose inputs. The serial digital inputs consist of two SDLC data channels. There are 3 outputs; 2 non-filtered and 1 premodulation filtered outputs. The 2 non-filtered outputs are RNRZ-L and NRZ-L with a synchronized clock. The premodulation filter output provides RNRZ-L or NRZ-L coded output whose cutoff frequency and amplitude are user-programmable. The PCM-3214-HS-3 unit is very small and rugged, and is suitable for installation in remote or inaccessible areas.

Revision 05/13/2015

PCM-3214-HS-3 Datasheet

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 Specifications subject to change without notice.

Approved for Public Release 16-S-1127



CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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