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Find the *Curtiss-Wright / Pentland Systems VGD4/P2/96* at our website: ***Click HERE***

VGD4/5



Features:

- 96 Analog Input Channels
- 16-bit resolution (VGD5) & 12-bit resolution (VGD4)
- Up-to 85KSPS Simultaneous Sampling
- Very Low Digitisation Latency for Closed Loop Control
- Wide Input Range
- Software Linearisation vis PROM calibration table

The VGD4/5 is part of the VGX family of modular high performance VME data acquisition systems providing options for the simultaneous digitisation of up to 96 analog input channels in just two card slots. VGD4/5 has an impressive pedigree in meeting challenging applications such as high energy research where the simultaneous capture of high channel densities without loss of phase integrity between channels is essential. Pentland's analog system design expertise ensures minimum degradation of digitisation accuracy in today's noisy computer system environments. A version of VGD4/5 is available with a front panel power connection which enables the use of linear supplies for maximum performance. The VGD4/5 family is also available with 64 and 32 channel variants.

User Manual Data Sheet

SPECIFICATION

INPUT

Channel Count	96, single-ended, simultaneous (also 64 and 32 channel versions)
Sample Rate	Max 85KSPS Simultaneous All Channels
Input Range	±10V
Maximum Input Range	±20V Power Off/On without damage
Input Impedance	>12.8kOhm
Linearity	±0.06% (2.5 LSBs) with calibration
Input Capacitance	<50pF
Conversion Jitter	<45nS
Monotonicity	Guaranteed over temperature
Channel Crosstalk	-80dB for Off to On Channel @ 1kHz

Sample Trigger - Active	Programmable Edge
Sample Trigger - Threshold Level	TTL
Sample Trigger - Input Capacitance	50pF
Maximum Trigger Rate	85 kHz

VGD4/5 SPECIFIC DETAILS

	VGD4	VGD5
Resolution	12-Bits	16-Bits
Gain Error	±0.06%	±0.012%
Offset Error	±0.05%	±0.0091%
SFDR	78dBc	90dBc
SINAD	64dB	83dB
THD	74dB	-90dB

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