New Digitizer Module (DAQM909A)

Product Description

- The DAQM909A is a digitizer module providing 4 channels, simultaneous sampling, differential inputs

- Sample rates can be set from 100 kSa/s (frequency domain) to 800 kSa/s (time domain) with 24-bit resolution.

- Each channel can be independently programmed to one of four input modes, and current source settings

- Three modules are capable of being synchronized together to provide 12 channels of simultaneous digitization.

- **Target applications**: electro-mechanical components design validation and characterization, power analysis, acoustic measurement and analytics, condition monitoring

Key Specifications

Parameter	Spec
4-ch, ADC per-ch, simultaneous	800kSa/s @ 24-bit
Range (Differential Input)	0.6Vpk, 2Vpk, 6Vpk, 36Vpk
IEPE Current Source	OFF or ON, (2mA - 4mA)
Freq or Time domain anti-alias filters	Yes
Time-stamped measurements	Yes
Acquisition Memory/ channel	16 MSa to 48 MSa
Coupling	AC, DC
Sample Rate	
Time domain	800 kSa/s
Freq domain	100 kSa/s
Acquisition Bandwidth	
Time domain (-3dB)	0.2*Fs or 125 kHz max.
Frequency domain (-0.1dB)	0.4*Fs or 30kHz max.

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