

Product datasheet

MDS-100 acquisition module

The high-resolution MDS-100 acquisition module digitalizes and processes up to 4 vibration signals simultaneously and continuously..



MDS-100V3
acquisition module

Functions / Description

On the MDS-100 acquisition module the time demanding acquisition, digitalization and further processing of the dynamic input signals is performed. Several MDS-100 acquisition modules can be installed together with several Sync5 speed cards in a Data Collection Unit (DCU) or a rack. One rotational speed can be assigned to each MDS-100 acquisition module. Due to the galvanic isolation the MDS-100 acquisition modules are nonreactive to other systems.



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Technical details MDS-100V3

Supply voltage	20 – 36 VDC
Power consumption	Max. 11 W
Input channels	4 x dynamic (± 20 V) 4 x static (± 20 V / ± 20 mA)
Rotational speeds per Sync5 speed card	1 x rotational speed
Cards per rack / DCU	Max. 10 cards, e. g.: 9 x MDS-100 & 1 x Sync5 8 x MDS-100 & 2 x Sync5
Galvanic isolation (input and output)	Yes (200 V against internal ground)
Optional analog output channels	0-20 mA / 4-20 mA 0-10 V / 2-10 V / 0-24 V
Input impedance	1 M Ω / 25 pF

Sampling rate	256 points per revolution
Frequency range	0 – 8 kHz
Speed range	10 – 8.500 rpm
Signal resolution	16 Bit
Dimensions MDS-100 acquisition module	Width: 9 TE Height: 3 HE Depth: 220 mm
Mounting options	Plug-in card for 19" rack
Connection options -Rack -DCU	- DSUB - DSUB / BNC / SMB
Total weight Rack / DCU	approx. 10 kg

Subject to technical modification

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