

VibDAQ 16.1

16-channel data acquisition module



DESCRIPTION

VIBDAQ 16.1 is a 16-channel data acquisition system for signal processing in IEPE standard. The data transfer to a PC computer, as well as the system management is carried out through a USB interface.

VIBDAQ 16.1 is equipped with LED indicators showing current status of the sensor circuits.

FEATURES

- Supports up to 16 IEPE sensors
- Testing the sensor circuits for open/short circuit
- Works with DASyLab and LabVIEW software

TECHNICAL DATA

Number of input channels	16	
Input type	IEPE 2,4 mA 24 V	
Resolution	16 bit	
Sampling frequency	synchronic to 100 kHz max 400 kHz	
Measuring range	$\pm 10V$, $\pm 5V$, $\pm 2V$ i $\pm 1V$	
Crosstalk	0 do 25 kHz: -80 dB	
Input voltage range	range $\pm 10V$	6 mV
Max relative error	range $\pm 5V$	3 mV
	range $\pm 2V$	1,5 mV
	range $\pm 1V$	1 mV
	Power	5V DC from PC computer USB, max 400 mA/module; 12V DC from external source, max 350 mA
Communication interface	USB 1.1, USB 2.0	
Operational temperature	0..+70°C	
Dimenisons	110 x 200 x 260 mm	
Set includes:	module, suitcase, cables, user manual	