

VLM ACCELERATION SENSORS

These VLM accelerometers series can provide excellent measurements for vibrations, shocks, shoves, accelerations, decelerations in static and dynamic studies of mechanics research and about machinery efficiency. Different applications are solved by many types of sensors provided. Several mounting accessories may strongly complement accelerometers to surface mass on testing.

Features: constant accuracy, low impedance readout. Easy plug on cables into harsh environments. Low noise. Dc low voltage and current supply. Wide range output signals for digital, intelligent acquisition instruments.

Measuring chain is made as follows: accelerometer, coaxial cable, supply unit-battery powered, output coaxial cable.



VLM 353B03 SENSOR

Acceleration sensor with built in electronic circuit, sealed and isolated housing.

Sensitivity:	10 mV/g +/-5%, 1,02 mV / (m/sec ²)
Measure range:	+/- 500 g (4905 m/sec ²) peak
Frequency response:	1...7000 Hz +/- 5%; 11000 Hz +/- 10%
Noise:	+/- 3dB 0,5...20000 Hz (resonance > 22 kHz)
Measure voltage:	4,5...7,5 Vcc max
Supply:	12...30 Vcc
Temperature range:	-51...121 °C
Weight:	10,5 gr
Mounting:	treaded female connection 10-32 UNF
Accessories:	Magnetic mounting base 080A27, high strength, 0,75" hex, stud 10-32 thd.

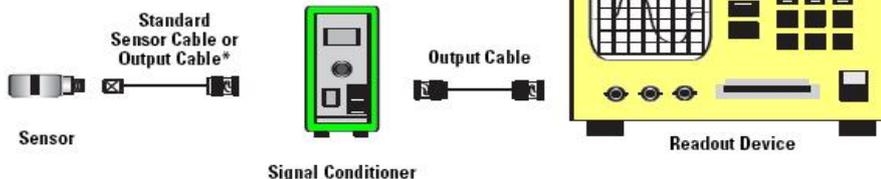


base

VLM 3019 SENSOR

Acceleration sensor with built in electronic circuit, sealed and isolated housing.

Sensitivity:	10 mV/g +/-5%, 1,02 mV / (m/s ²)
Measure range:	+/- 500 g (4905 m/s ²) peak
Frequency response:	1...50.000 Hz, (resonance 60 kHz)
Breaking point:	3000 g (5000 m/s ²)
Supply:	12...30 Vcc
Temperature range:	-51...121 °C
Weight:	8 g
Mounting:	stud 10-32 UNF, thd.
Accessories:	adhesive base for removable mounting M6221 model, 10-32 UNF female thd. Coaxial cable connection 10-32 UNF.



SATEMA

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VLM 3145A1 SENSOR

Accelerometer sensor, built in electronic circuit, sealed and isolated housing.

Sensitivity:	10 mV/g +/-10%, 1,02 mV / (m/s ²)
Measure range:	+/- 500 g (4905 m/s ²) peak, 3000 g shock
Frequency response:	2...10.000 Hz, (resonance 45 kHz)
Supply:	12...30 Vcc
Temperature range:	-51...121 °C
Weight:	2,5 g
Mounting:	stud, for fixed mounting 5/40" UNC2A thd.
Accessories:	M6207D adhesive mounting base, 5/40 tapped hole, 5/40 stud, 5/44 coaxial cable.



SUPPLY UNIT, BATTERY POWERED 4102C - 4103C

4102 C - hand held current source single channel

4103 C - hand held current source 3 channels

Connections:	2 x BNC connectors
Gain:	unit
Supply:	9Vcc batteries, 80 hours average
Dimensions:	4102C = 2,8"x4"x4" size (H x W x D) 4103C = 3,3"x5,2"x3,4" size



MINIATURE COAXIAL CABLES

Mini coax. PTFE coated. Low noise. Low impedance. STD 3 mt lenght.

6019A10 model	- for 3019A1, 353 B03 accelerometers
Connection	- accelerometer front end = 10-32 UNF signal output = BNC
6056A10 model	- for 3145A1 accelerometer
Connection	- accelerometer front end = 5/44 UNF signal output = BNC



BACK TO BACK CALIBRATION KIT MOD. 3120/3CAL

It allows chacking and testing of several accelerometers. 3120/3 CAL is based on back to back principle. Matching sample accelerometer with anothers by comparison. Nist traceable calibrations. Carrying case with electrodynamic shaker and control system working on 100 Hz.

	3120 mod.	3123 mod.
Sensitivity:	10,00 mV/g	100,00 mV/g
Frequency response:	10/10000 Hz +/-2%	10/5000 +/-2%
Measure range:	+/- 500 g	+/- 50 g
Force range:	+/- 40 lbs	+/- 10 lbs



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