

VD-5

High Performance Portable Data Collector

Feature

- NIMH re-chargeable cell pack typically 6 hours continuous use
- User-selectable units and types Measurement
- High visibility graphic LCD display
- Measurement: RMS, peak or peak-peak readings
- Free point measurement
- Route and off-route data acquisition
- Data logging, save up to 4000 overall measurements
- Overall value & spectrum in route
- Advanced analysis software ROUTE Application
- ICP™ sensor interface
- ISO built-in Alarms
- Data transfer to PC via USB and serial port



VIBRATION SEVERITY PER ISO 10816				
Machine	Class I small machines	Class II medium machines	Class III large rigid foundation	Class IV large soft foundation
0.25	0.25			
0.40	0.40			
0.63	0.63			
1.00	1.00			
1.60	1.60			
2.50	2.50			
4.00	4.00			
6.30	6.30			
10.00	10.00			
16.00	16.00			
25.00	25.00			
40.00	40.00			
63.00	63.00			
100.00	100.00			
160.00	160.00			
250.00	250.00			
400.00	400.00			
630.00	630.00			
1000.00	1000.00			
1600.00	1600.00			
2500.00	2500.00			
4000.00	4000.00			
6300.00	6300.00			
10000.00	10000.00			

■ Unacceptable
■ Unsatisfactory
■ Satisfactory
■ Good



Technical data VD-5

Sensitivity	100mv/g max measuring range ±50g	Overall type	RMS, Peak, Pk-Pk
Frequency range (+/-3db)	1-15000Hz	Including Total Vibration level of Acceleration, Velocity Displacement	1 second period time
Resonance frequency	-50 C ... +121 C	Memory capacity	Approximately 1000 measuring points including Total vibration level
Mounting Cable length	Magnet holder, hand held or measuring pointer 1m	Memory capacity Frequency range	Approximately 1000 spectra
Maximum input signal	+/-2V Peak	Resolution	2Khz
Sensitivity standard settings	Accelerometer 100mV/g	Dynamic Range	75dB
Current- and voltage supply to transducer	+4mA constant current at max 24V	Processor Internal	Micro processor 40Mhz
Selectable frequency ranges	ISO 10-1000Hz	Memory	64Mb Memory Card
Selectable units (Metric/ Imperial)	mm/s, um, mm, m/s^2, in/s, mils, g	Communication Port with PC	USB
Automatic comparison with selectable alarm level	Yes, 1 limit value	Diagnostic Software	Machine Diagnostic Software (MDS)

Physical Certificate

Display	128*64 pixels with background light	Route Design	Trend Display	Route Loader	Help	About	Exit
Weight	Approx. 690 gr with battery						
Dimension	238*134*58						

Environmental

Protection	IP 55	Electromagnetic Compatibility
Operating Temperature	-20°C, +60°C	
Humidity	95% max without condensation	

EMC (IEC61000-6-2, IEC61000-6-4)
Safety (IEC61010)