

Accurate Measurement of Vibration, Temperature, & Acoustic Emission



DataMite Technologies presents the **DataMite Series 1000** – simple-to-use instruments that can be tailored to your application. All 1000 Series Models are fast, accurate and remarkably affordable.

Use these reliable meters to measure vibration (acceleration, velocity OR velocity/displacement), temperature, acoustic emission, or the combination of these that fits your specific needs.

Each of the DataMite 1000 incorporates:

- **AUTOMATIC RANGING** – eliminates the need for range switches
- **LARGE LCD DISPLAY** – ½” characters provides easy visibility and high contrast
- **AVERAGE / POWER BUTTON** – averages variable input and holds display (after a five second depression) or initiates power up (after a momentary depression)
- **BATTERY SAVER** – de-energizes the unit after five minutes if **AVERAGE / POWER BUTTON** is not pressed
- **LOW BATTERY INDICATOR** – warns of the impending display blanking and prevents operator from taking degraded data
- **RECHARGEABLE NI-CAD BATTERIES** – allows up to 27 hours of operation
- **TONGUE AND GROOVE CONSTRUCTION, plus SEALED SWITCHES AND DISPLAY** – ensures meter resistant to dust and splash
- **CHARGER, BELT HOLSTER and MANUAL** – are included with each meter
- **WIDE VARIETY OF MODELS** – see selection chart overleaf for a meter that will meet your needs

RUGGED

EASY TO USE

LARGE DISPLAY

13 MODELS

AUTO RANGING

**INPUT
AVERAGING**

**LEATHER
HOLSTER**

DATAMITE 1000 SPECIFICATIONS

Input Sensor	Varies with model selected – accelerometer, thermocouple, acoustic sensor
Velocity Range	0 – 19.99 “/sec peak over an operating range of 420 to 90,000 RPM
Displacement Range	0 – 199.9 mils peak to peak over an operating range of 420 to 90,000 RPM
Temperature Range	0 – 1999 deg F via Type K thermocouple
Acoustic Emission	0 – 60.0 dB over 20 kHz to 100 kHz
Display	3.5” Digital LCD, 0.5” character height
Accuracy	+/- 5% of reading
Battery	27 hrs of operation (depending on model) on single charge (14 hrs to recharge)
Operating Conditions	Temperature: 0 – 122 deg F Humidity: below 95% RH, non-condensing
Size / Weight	5 1/4”L x 5 1/16 x 2 1/4”D; 1.2 – 2.0 lbs. (depending on model)
Std. Equipment	Model 1XXX DataMite, belt case, manual, two stingers, and battery charger
Options	include custom labeling, switches, functions, ranges and various accessories to compliment your application



MODEL 1250 STEAM TRAP ANALYZER



PROBE EXTENSION

DataMite Selection Chart

MODEL	VELOCITY	DISPLACEMENT	ACCELERATION	TEMPERATURE	ACOUSTIC	HI-LO FILT	ULTRASONICS
1000	X				X	X	
1011	X	X			X		
1012	X	X			X	X	
1020	X						
1025	X	X	X				
1050	X	X		X	X		
1055	X	X	X		X	X	
1056	PEAK & RMS	X	X	X	X		
1100	X			X			
1111	X	X		X			
1200	CENSORSOUND	CENSORSOUND	CENSORSOUND	X	X		
1210	X	X	X		X		
1250	X	X	X	X	X		X

For more information about the **DataMite Model 1000**, contact Spectrum Instruments Ltd. at (613) 831-0007, or one of our Authorized Distributors in Canada, India, Saudi Arabia, Nigeria and the Caribbean .

Spectrum Instruments Ltd. (Canadian Authorized Distributors) :

BC: Optimum Reliability Solutions	P: 866-752-3066	F: 250-752-3016
ON: WCD Technical Solutions Inc.	P: 519-585-7972	F: 519-578-4798
NS: Atlantic Measuring Technologies	P: 902-461-2188	F: 902-461-5150
AB: Optimum Reliability Solutions	P: 866-752-3066	F: 250-752-3016
QC: Robam Sales	P: 514-591-9891	F: 514-696-9897