



PRODUCT SPECIFICATION

MIL111 Digital Sound Level Meter

Part Number M11100

The Mechanalysis model MIL111 Digital Sound Level Meter is suitable for accurately measuring industrial noise for health and safety in 'A' or 'C' Scale weighting. This compact lightweight meter is easy to use with digital level, bar-graph and hold facility. It enables pin point accuracy of acoustic measurements in a noisy environment. It also has an output jack for use with an FFT Vibration analyser for undertaking machinery diagnostics.



Standard Accessories	Qty	Part Number
Case Carrying	1	M25347
Battery 9V, 100mAH Dry Cell	1	M30644
Manual - Operating instructions	1	M91207

Optional Accessories	Qty	Part Number
Cable for Sound data transfer to MIL vb Series of FFT vibration analyser	1	M91204
Cable for Sound data transfer to dataPAC FFT vibration analyser	1	M91202
Tripod (Light weight aluminium)	1	M91206

SPECIFICATION

Displays	:	3 digital liquid crystal display & 21 dot Analog Bargraph
Mode / Condition Indicators	:	Indicates current mode and status of meter
Peak Level Indication	:	Shows when meter reaches maximum level on bar-graph
Average or Maximum Sound Level	:	Continuously shows average or maximum sound
Data Hold	:	Able to freeze measurement on display
Reset Button	:	Clears current reading for next measurement
Integrated Averaging	:	Also holds max & min sound levels for a preset period
Measurement Ranges Overlapping	:	50 db to 126 db
Range Under & Over	:	Indicates if sound level is out of selected range
Microphone	:	Electric Condenser – Output 10k ohm
Accuracy	:	± 2db at 114 db SPL
Response	:	Fast and Slow (Digital 0.2 secs, Bargraph 0.5 Secs updates)
Reference	:	0db = 0.0002 Micro Bar
Weighting	:	A and C Scale
Phono Output Jack	:	Connect output to FFT Vibration Analyser etc
Signal Output – Voltage	:	1 volt Peak-Peak min. Open circuit full scale at 1KHz
Signal Output – Impedance	:	10 kilo ohms min. load
Signal Output – Distortion	:	<2% at 1 kHz, 0.5V p-p output
Power Requirement	:	Internal battery 9 volt Alkaline
Battery Indicator	:	Indicates Low Battery when it needs replacing
Tripod Mount	:	Standard internal mounting thread (¼ inch) provided
Environmental	:	
Operating temp	:	0°C to +50°C
Storage temp	:	5°C to +65°C
Weight	:	165 g
Dimensions	:	44mm (L) x 64mm (W) x 159mm (H)

Mechanalysis (India) Ltd. continuously improves products; it therefore retains the right to change the above specification without notice

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