NoiseMeters

Optimus Yellow Sound Level Meter



Features

- Simple to use
- Simultaneous measurement of all parameters
- 120 dB measurement range
- A, C and Z weightings
- Fast, Slow and Impulse response
- Bluetooth connection to mobile app

Applications

- Basic noise surveys
- Noise ordinance enforcement
- Fire alarm testing
- Office noise checks
- Machinery maintenance and trouble-shooting

Optimus Yellow

The Optimus Yellow is a calibrated, professional grade sound level meter for noise measurements that must meet the relevant international standards. Despite being a powerful meter, it is extremely easy to use, ensuring you get the correct measurements from the start.

The Optimus range of sound level meters uses the latest display technology and digital signal processing (DSP) techniques to provide you with a very powerful yet easy to use meter. The ease of use comes from the fact that all parameters are automatically measured at the same time, so no need to think about what you need in the split second before starting the measurement.

Making Noise Measurements

Making measurements usually consists of checking the calibration (adjustments are automatic) and then taking the readings.

Future Upgrade

Not sure if you need data logging? Maybe you don't know at this stage whether you might need an Integrating sound level meter. It could even be that eventually you may need octave band filters.

These features can be added at a later date. Some can even be fitted without returning the meter to the factory by remote update.

We can even change the meter from Class 2 to Class 1, although of course it must be returned for this upgrade.

Visit the **Options** tab for more details.

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Specifications

Standards Microphone	IEC 61672-1:2013 Class 1 or Class 2 IEC 61672-1:2002 Class 1 or Class 2 Group X IEC 60651:2001 Type 1 I or Type 2 I ANSI S1.4 -1983 (R2006), ANSI S1.43 - 1997 (R2007) ANSI S1.25:1991 Class 1 MK:224 pre-polarized, Class 2 MK:216 pre-polarized	Connections Tripod Mount Case	USB Type B to PC AC & DC Output via ZL:174 (2 x Phono, 1m) Multi-pin IO for external power via ZL:171 cable (2.1mm socket) External Power: 5v-15v via MultiIO socket via ZL:171 cable (2.1mm socket) 1/4" Whitworth socket Material: High Impact ABS-PC
Measurement	20dB to 140dB RMS Single		with soft touch back & keypad
Range	Range	Environmental	Temperature: Operating -10°C
Noise Floor	<18dB(A) Class 1, <21dB(A) Class 2		to +50°C, Storage -20°C to +60°C
Frequency	RMS & Peak : A, C, & Z		
Weightings Time	Measured Simultaneously Fast, Slow & Impulse		Humidity: Up to 95% RH Non Condensing
Weightings	Measured Simultaneously	Electromagneti	IEC 61672-1:2002 & IEC
Display	High resolution display.	c performance	61672-2:2003
	Ambient light sensor &		Except where modified by EN
Dimensions	illuminated keypad		61000-6-1:2007 & EN
Weight	Size: 283mm x 65mm x 30mm 300gms/10oz	Language	61000-6-1:2007 English, French, German,
Power	4 x AA Alkaline	options	Spanish. Other language
	Typically 12 hours with	options	options may be available
	Alkaline AA		
	Typically 20 hours with Lithium	Displayed	LXY, LXYMax, LXYMin, Run
	AA Non-Rechargeable	Functions	Time
	External Power: 5v-15v via		
	MultiIO socket via ZL:171		where x=A ,C ,Z; y= F, S, I
	cable (2.1mm socket)		

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Web Sites

Main site: https://www.noisemeters.ca

Product shortcut: https://www.noisemeters.ca/p/cr152a/

Tech Support: https://support.noisemeters.com