NoiseMeters

Phone: +44 130 677 0855
Email: info@noisemeters.com

Optimus Yellow Data Logging Sound Level Meter

(c) NoiseMeters

Features

- Simple to use
- Simultaneous measurement of all parameters
- 120 dB measurement range
- Data logging with VoiceTag (audio notes)
- 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
- Machinery maintenance and trouble-shooting

Optimus Yellow

The CR15xB 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), recording a voice tag if required, and then taking the readings.

As this meter is a data logger all the measurement parameters are stored along with time, date and other relevant information.

Future Upgrade

If you decide at a later date that you need an Integrating sound level meter or even octave band filters then we offer a simple upgrade path.

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.

Optimus Yellow Data Logging Sound Level Meter

Specifications

Standards	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
Microphone	Class 1 MK:224 pre-polarized, Class 2 MK:216 pre-polarized
Measurement Range	20dB to 140dB RMS Single Range
Noise Floor	<18dB(A) Class 1, <21dB(A) Class 2
Frequency Weightings	RMS & Peak : A, C, & Z Measured Simultaneously
Time Weightings	Fast, Slow & Impulse Measured Simultaneously
Display	High resolution display. Ambient light sensor & illuminated keypad
Memory	4GB, 32GB factory fit option
Time History Data Rates	10ms, 62.5ms, 125ms, 250ms, 1/2 sec, 1 sec, 2 sec (User selectable)
VoiceTag Audio Recording	Up to 30 seconds of audio notes with each measurement
Dimensions	Size: 283mm x 65mm x 30mm
Weight	300gms/10oz
Power	4 x AA Alkaline Typically 12 hours with Alkaline AA Typically 20 hours with Lithium AA Non-Rechargeable External Power: 5v-15v via MultiIO socket via ZL:171 cable (2.1mm socket)

Connections	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)
Tripod Mount	1/4" Whitworth socket
Case	Material: High Impact ABS-PC with soft touch back & keypad
Environmental	Temperature: Operating -10°C to +50°C, Storage -20°C to +60°C Humidity: Up to 95% RH Non Condensing
Electromagnetic performance	IEC 61672-1:2002 & IEC 61672-2:2003 Except where modified by EN 61000-6-1:2007 & EN 61000-6-1:2007
Language options	English, French, German, Spanish. Other language options may be available
Software Support	NoiseTools Download, Configuration & Analysis software supplied as standard. Compatible with Microsoft Windows XP, Vista, 7, 8 & 10 (32bit & 64bit)
Displayed Functions	LXY, LXYMax, LXYMin, Run Time
Stored Functions	LXYMax & Time History of LXYMax, Start Time where x=A ,C ,Z; y= F, S, I

Head Office

NoiseMeters Ltd
7 Jayes Park
Ockley
Surrey
RH5 5RR

Telephone **+44 130 677 0855**
Fax **+44 845 680 0316**

Email: **info@noisemeters.com**
Support: **support@noisemeters.com**

Web Sites

Main site:
https://noisemeters.asia

Product shortcut:
https://noisemeters.asia/p/cr152b/

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