



The LA-1200 series: Combining the ultimate in user-friendliness and functionality in a single unit

Noise is a serious environmental problem that affects us in our daily life, and sound level meters are an indispensable tool for addressing noise issues. Unfortunately, traditional sound level meters have a number of drawbacks, such as requiring large amounts of data. Another problem encountered with certain types of noise characteristics is the need for 24 hours of continuous measurement, which increases costs tremendously. The LA-1200 series was designed to solve these problems, providing a user-friendly, next-generation sound level meter solution for measurements in the field. These meters let you measure noise accurately and efficiently according to the needs of the particular application. High-end models are also available. Ono Sokki's sound level meter lineup includes the LA-2000 series of multi-function integrating sound level meters with an optional octave analysis function, and the LA-5000 series of precision sound level meters. This broad product lineup provides sound level meter solutions tailored to your needs.

85-dB linearity range

Linearity range was improved to 85 dB, a 70 percent increase over Ono Sokki's earlier models. In addition, battery life has been extended to approximately 40 hours, and the meter's weight has been reduced to 260 grams.

Measurement condition storage function

All sound level meters have a resume function, which stores measurement conditions when the meter is turned off, and a key protect function. These functions make the meters easier to use and prevent accidental operation. Models LA-1240 and LA-1250 can also store nine different measurement condition sets for different applications.

Compliant with new environmental standards (LA-1250)

The LA-1250 includes a back-erase function and automatic measurement function for advanced environmental sound measurements. A single LA-1250 meter can handle a wide range of environmental sound level measurements.

Comparator output (optional on LA-0121)

When combined with an external recorder (e.g., DAT, MD), the comparator output function makes it easy to record sound levels at or above a certain sound pressure level. This feature is useful for identifying noise that needs to be filtered out during road traffic sound level measurement. (Not available with LA-1210.)

Optional external control (optional on LA-0122)

This option lets you start and pause measurements, output data to a printer, and write data to internal memory through external controls. This simplifies the process of starting measurements simultaneously on multiple sound level meters. The comparator output and external control capabilities can be combined for



automatic measurement of values exceeding a set level. (Not available with LA-1210 and LA-1220.)

The LA-1200 series: A full lineup of meters for high-precision, application-specific measurements

NEW

The models in the LA-1200 series of sound level meters are tailored to specific applications. The meter body has been made lighter while adding memory capability and expanding the linearity range. At the same time, battery life has been increased, and the meters are designed for easy use in the field. The comparator function* makes it easy to monitor for sudden noises, and the external control function* lets you start measurements on multiple meters simultaneously.

* Optional (See the specifications for models that are available with these functions.)

Sound level meter LA-1210 Sound level meter with online function LA-1220

NEW The basic platform for sound level measurements

Ideal for stationary sound level measurements

- For general measurements
- •For measurement of weighted (LA, Lc) and non-weighted (Lp) sound pressure levels
- •RS-232C interface (for online communication with a PC; model LA-1220)
- •Comparator output (optional; model LA-1220)





Integrating sound level meter with memory LA-1240

A general-purpose model suitable for non-stationary sound level measurements

Ideal for non-stationary sound level measurements

- •For industrial measurements and work environment measurements
- For measurement of equivalent sound levels (Leg), sound exposure levels (LE), and percentile sound pressure levels (Lx)
- •Internal memory (manual: 300 addresses) Each address can hold eight measurements and four parameters -Leg, LE, Lmax, Lx (5, 10, 50, 90, 95).
- Comparator output (optional)
- •External control (optional)





• For environmental measurements

Ideal for road traffic sound

level measurements

- •For measurement of equivalent continuous sound pressure levels (Leg), sound exposure levels (LE), and percentile sound pressure levels (Lx)
- Automatic measurement function (including power-saving function)
- •Back-erase function (maximum ten seconds)
- •Internal memory (manual: 300 addresses; blocks: 1440 addresses × 10 blocks) Each address can hold eight measurements and four parameters -Leq, Le, Imax, Lx(5,10,50,90).95
- Comparator output (optional)
- External control (optional)

Integrating sound level meter for environmental measurements

NEW

ONO SOKKI

FAST

Total Time

MEAS TIME

STORE

CAL

INTEGRATING SOUND LEVEL METER

START

PAUSE

Lp Leq (Lx)

2nd

The new standard in noise pollution meters

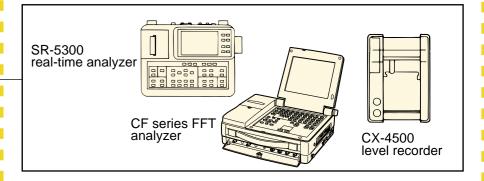
LA-1250

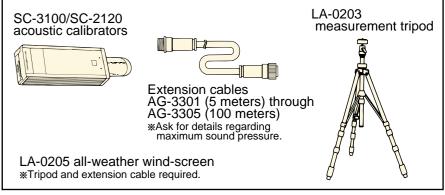
AX-501 connector cable (analog output cable)

AX-5042 connector cable (printer cable)

AX-5022 connector cable (PC-AT cable)

A variety of options and peripherals for an even broader range of measurements.









Model Comparison

		LA-1210	LA-1220	LA-1240	LA-1250
Parameters	Instantaneous sound pressure (Lp), maximum value (Max)	•	•	•	•
	Equivalent continuous sound pressure (Leq) sound exposure (Le) percentile sound pressure (Lx)	_	_	•	•
Memory	Manual	_	_	300 addresses	300 addresses
	Blocks	_	_	_	1440 addresses ×10 blocks
Back-erase function		_	_		•
Automatic measurement function (with power-saving function)		_	_	_	•
Clock		_		•	•
Measurement condition storage		_	_	9 sets	9 sets
Comparator output		_	0	0	0
External control		_	_	0	0
RS-232C		_	•	•	•

●: Standard; O: Optional

Specifications for LA-1200 Series Sound Level Meters

Model		LA-1210	LA-1220	LA-1240	LA-1250				
Applicable standards		JIS C1502, IEC 60651	TYPE2, IEC60804 TY	PE2, Draft IEC 61672	-Aug 1998 Class 2,				
		ANSI S 1.4 Type 2							
Linearity range		85 dB							
Frequency range		20 Hz to 8 kHz							
Measurement range	JIS	27 to 130 dB (A), 32 to 130 dB (C), 37 to 130 dB (FLAT)							
vicasurement range	IEC	26 to 140 dB (A), 31 to 140 dB (C), 36 to 140 dB (FLAT)							
Euggrange abouggtowisti		A,C, FLAT							
Frequency characteristi		A,C, FLAT		1					
Measured parameters	Instantaneous sound pressure level (LP)	•	•	•	•				
	Equivalent continuous sound pressure level (Leq)	_	_	•	•				
	Sound exposure level (LE)	_	_	•	•				
	Percentile sound pressure			•					
	level (Lx)	_	_						
	Maximum value (Max)	•	•	•	•				
Dynamic characteristics	<u> </u>	FAST, SLOW		•	•				
Sampling periods	Equivalent continuous	22 5							
	sound pressure level (Leg)	32μS							
	Percentile sound pressure level (Lix)	-	-	100 ms	100 ms				
	Maximum value (Max)	32μS			•				
Display period	Digital display	1 second							
	Bar indicator	100 ms							
Memory function (note 1)	Manual	_	_	300 addresses	300 addresse				
	Block	_	_	_	1440 addresse × 10 blocks				
Analog output	AC output	Full scale 0.707 Vrms							
•	DC output	Full scale 2.5V 0.5V/10 dB							
Clock function	20 output		_	•	•				
Automatic measuremen (withpower-saving func		_	_	_	•				
Resume function	<u> </u>	•	•	•					
Measurement condition	storage function			9 sets	9 sets				
Key protect function		•	•	•	0 3013				
Back erase function					•				
External control		_			0				
				0					
Comparator output RS-232C		_	0	0	0				
		Comments 1	•	•					
Display		Segmented							
Power		2 AA batteries							
Battery life	Manganese batteries	Approximately 24 hours							
	Alkaline batteries	Approximately 40 hours							
Operating temperature		-10 to 50°C							
Operating humidity ran	ige	30 to 90% RH							
External dimensions		Approximately $70 \times 240 \times 30 \text{ mm}$							
Accessories		AC adapter, signal cable, batteries, screwdriver for making adjustments, wind screen hand strap, carrying case, operating manual							
		1							

High-end models

●:Standard ○:Optional Note 1: Leg, LE, Lmax, L5, L10, L50, L90, and L95 are all stored in a single address.

LA-5120/5111/2111 Integrating precision sound level meters with extra wide (100 dB) range in a compact body

Windows is a registered trademark of Microsoft Corporation , U.S.A in the United States and other countries.

ONO SOKKI

*Outer appearance and specifications are subject to change without prior notice.

HOME PAGE: http://www.onosokki.co.jp/English/english.htm

U.S.A. & CANADA

Ono Sokki Technology Inc. 2171 Executive Drive, Suite 400 Addison, IL. 60101 U.S.A.

Phone: 630-627-9700 Fax : 630-627-0004

EUROPE

Ono Sokki Mess-und Kontrollsysteme GmbH Im Vogelsang 1, D-71101 Schoenaich Germany

Phone: 07031-630203 Fax : 07031-654249

P.R.CHINA

Ono Sokki Beijing Office Beijing Jing Guang Center 3510 Hu Jia Lou, Chao Yang Qu Beijing P.R.C. 100020

Phone: 010-6597-3113 Fax : 010-6597-3114 **WORLDWIDE**

Ono Sokki Co., Ltd. 1-16-1 Hakusan, Midori-ku, Yokohama 226-8507, Japan Phone: 045-935-3976

Fax: 045-930-1906

E-mail: overseas@onosokki.co.jp