

Casella Noise Guardian

Protection for your site
noise compliance



System Features

- IEC61672-1 Class 1 Compliant Sound Level Meter
- Measures L_{Aeq} , L_{Amax} , $L_{A10\%}$, $L_{A90\%}$
- Web Hosted Data with a Secure Private Login
- 20 - 140dB Measurement Range
- E-mail and Text Alarms when Noise Levels are Exceeded
- Easily Export and Report Data

Overview

Designed to make site and boundary monitoring easy, the Casella Noise Guardian is a permanent noise monitor to allow the proactive management of noise to prevent noise complaints.

Mounted at the most appropriate location, as near as possible to the nearest residence (receptor), the unit can measure all of the necessary noise parameters. Then alerts can be sent via e-mail or text when predefined levels are exceeded, instantly allowing you to reduce noise levels before complaints occur.

Permanent Noise Measurement to Protect Your Site.

The Casella Noise Guardian offers 24/7 noise monitoring for L_{Aeq} , L_{AFmx} , L_{AF10} , L_{AF90} (additional parameters available on request). Based on our own 63X series Sound Level Meter it is housed in a weatherproof enclosure. The unit is supplied with a Class 1 microphone, logger with data transfer and outdoor protection for the microphone. The unit runs on mains electricity (220-240 or 110VAC).

Simple to Install

The enclosure (shown front page) is supplied with U bolts (for 50mm pipe) to attach to a pole. A 5m extension cable is then routed to the microphone enclosure which can be mounted further up the pole as required.

Technical Specification

General

Measuring range: 20-140dB

Noise Floor: 19dB(A)

Parameters: L_{Aeq} , L_{Amax} , $L_{A10\%}$, $L_{A90\%}$

Operating Temperature: -10 to +40°C

Enclosure Protection: IP65

Operating Humidity: <5% to 100%

Power: 220-240 or 110VAC

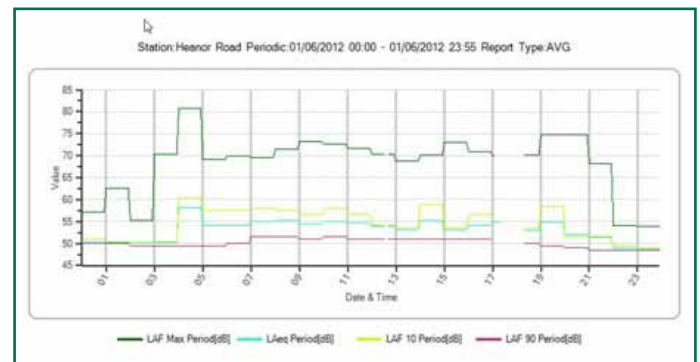
Calibration: Via 120/1 acoustic calibrator (supplied)

Ordering Information

Part Number: MAM-2

Option: Enhanced Alarms SMS/Text alarm output

The data is transferred via GPRS to a dedicated, secure, website www.dataview247.com. This can be viewed in any web browser, via private login, showing real-time and historical data and in addition real-time alarms can be set up via email. Parameters can be displayed over selectable time periods. Reports can easily be created for multiple noise parameters simultaneously.



Graphical data can be viewed online

Date Time	LAF Max Period	LAeq Period	LAF 10 Period	LAF 90 Period
	dB	dB	dB	dB
01/06/2012 00:00	57.10	50.40	51.00	50.00
01/06/2012 00:05	57.10	50.40	51.00	50.00

Reports can easily be generated

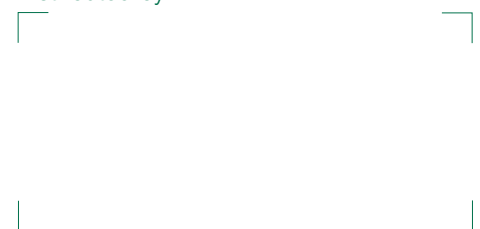
Date	Time	Wind Dir	Wind Sp	LAF Max Period	LAF Max Period	LAeq Period	LAeq Period	LAF 10 Period	LAF 10 Period	LAF 90 Period	LAF 90 Period	Wind Speed	Unit
		deg	dB	dB	dB	dB	dB	dB	dB	dB	dB	m/s	kg/m ³
01/06/2012	00:00	287	51.5	57.1	57.1	50.4	50.4	51.0	51.0	50.0	50.0	0.2	0.93
01/06/2012	00:05	284	51.4	57.1	57.1	50.4	50.4	51.0	51.0	50.0	50.0	0.0	0.93
01/06/2012	00:10	254	51.1	57.1	57.1	50.4	50.4	51.0	51.0	50.0	50.0	0.0	0.93
01/06/2012	00:15	258	51.4	57.1	57.1	50.2	50.4	51.0	51.0	50.0	50.0	0.0	0.93
01/06/2012	00:20	269	51.5	57.1	57.1	50.2	50.4	51.0	51.0	50.0	50.0	0.2	0.93
01/06/2012	00:25	269	51.5	57.1	57.1	50.2	50.4	51.0	51.0	50.0	50.0	0.2	0.93
01/06/2012	00:30	281	51.4	57.1	57.1	50.2	50.4	51.0	51.0	50.0	50.0	0.2	0.93
01/06/2012	00:35	274	51.7	57.1	57.1	50.2	50.4	51.0	51.0	50.0	50.0	0.2	0.93
01/06/2012	00:40	277	51.1	57.1	57.1	50.2	50.4	51.0	51.0	50.0	50.0	0.0	0.93
01/06/2012	00:45	271	51.5	57.1	57.1	50.2	50.4	51.0	51.0	50.0	50.0	0.2	0.93
01/06/2012	00:50	282	51.8	57.1	57.1	50.4	50.4	51.0	51.0	50.0	50.0	0.2	0.93
01/06/2012	00:55	311	51.7	57.1	57.1	50.4	50.4	51.0	51.0	50.0	50.0	0.0	0.93
01/06/2012	01:00	451	51.9	57.1	57.1	50.4	50.4	51.0	51.0	50.0	50.0	0.4	0.93
01/06/2012	01:05	70	52.4	57.1	57.1	50.5	50.5	51.0	51.0	50.0	50.0	0.1	0.93
01/06/2012	01:10	84	51.8	57.1	57.1	50.5	50.5	51.0	51.0	50.0	50.0	0.0	0.93

Data can be exported as spreadsheets

Casella

Regent House,
Wolsley Road,
Kempston,
Bedford
MK42 7JY.
United Kingdom
Tel: +44 (0) 1234 844100
Fax: +44 (0) 1234 841490
Email: info@casellacel.com

Distributed by



SM12004 v1.0