

Casella NOISE Guardian



Ensure compliance through remote monitoring of noise.

NOISE Guardian is a web-based remote monitoring system for noise emissions from construction, demolition or process sites to ensure compliance with regulatory limits.

Applications

- Demolition phase monitoring
- Construction sites
- Roadside / traffic monitoring
- Waste transfer stations
- General compliance monitoring
- Site monitoring strategies
- Planning guidance monitoring
- Section 61 compliance (UK)
- PPG24 compliance (UK)

Key features

- IEC61672-1 class 1 compliant sound level meter
- Measures LAF, LAFmx, LAeq, LCpk
- Noise Percentile Readings LAF10, LAF90, LAF95
- Web hosted data with a secure private login
- 20 - 140dB measurement range
- E-mail and optional text alarms when noise levels are exceeded
- Easily export and report data
- Optional wind speed and direction

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 the 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 to attach to a 50mm pole. A 5m extension cable is then routed to the microphone enclosure which can be mounted further up the pole as required. The enclosure can also be wall mounted.

Technical Specification

General

Measuring range:	20-140dB
Parameters:	L_{Aeq} , L_{Amax} , $L_{A10\%}$, $L_{A90\%}$
Enclosure Protection:	IP65
Power:	220-240 or 110VAC
Operating Humidity:	<5% to 100%
Logger:	Inbuilt logger data transmission via GPRS
Calibration:	Via 120/1 acoustic calibrator (supplied)
Mounting:	Wall or pole mounted (50mm pole).

Ordering Information

208120D-01	NOISE GUARDIAN
208140D-01	NOISE, WINDSPEED & DIRECTION GUARDIAN
208004A-01	GUARDIAN 110V UPGRADE
DATA:	Access to dataview 247.com is provided via secure login details (GPRS requires a fixed IP SIM card)

Option:

TEXT: SMS/Text alarm output mode

Casella

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

Casella Inc.

415 Lawrence Bell Drive, Unit 4
Buffalo,
NY 14221
USA
Toll Free: (800) 366-2966
Tel: (716) 276 3040
Fax: (716) 276 3043
Email: info@casellaUSA.com

Ideal Industries India Pvt.Ltd.

229-230, Spazedge,
Tower -B Sohna Road,
Sector-47, Gurgaon-122001,
Haryana (India)
Tel: +91 124 4495100
E-mail: Sanjeev.Munjial@ideal-industries.in

Ideal Industries China

Room 1702, Citychamp Building, No.12 Tai
Yang Gong Zhong Lu, Chao Yang District,
Beijing 100028,
China
Tel: 8610-85183141
Fax: 8610-84298061
Email: info@casellameasurement.cn

The data is transferred via GPRS (GPRS requires a fixed IP SIM card) 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
01/06/2012 00:10	57.10	50.40	51.00	50.00

Reports can easily be generated

2	Date	Time	LAF Max Period	LAeq Period	LAF 10 Period	LAF 90 Period
3			dB	dB	dB	dB
4	01/06/2012	00:00	57.1	50.4	51	50
5	01/06/2012	00:05	57.1	50.4	51	50
6	01/06/2012	00:10	57.1	50.4	51	50
7	01/06/2012	00:15	57.1	50.4	51	50
8	01/06/2012	00:20	57.1	50.4	51	50
9	01/06/2012	00:25	57.1	50.4	51	50
10	01/06/2012	00:30	57.1	50.4	51	50
11	01/06/2012	00:35	57.1	50.4	51	50
12	01/06/2012	00:40	57.1	50.4	51	50
13	01/06/2012	00:45	57.1	50.4	51	50

Data can be exported as spreadsheets

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