

pulsar n^ova[®]

Six new generation
sound level meters that
are out of this world!



 **pulsar**
Instruments Plc

Industrial, Occupational and Environmental noise measurement products.

+44 (0)1723 518011
www.pulsarinstruments.com

The Pulsar Nova Range

A range of six new generation sound level meters to suit every application & budget

- Compliant with IEC 61672-1:2002
- Intuitive design
- High performance
- Simple to use
- Designed and manufactured in the UK
- Rugged metal case
- Large anti-glare display
- High definition colour OLED display
- Greater than 30 hour battery life
- 4GB removable memory card
- Dynamic range of 20dB(A) to 140dB(A) & 143dB(C)
- Simultaneous measurement of all key parameters
- Unique calibration prompt
- Standard and advanced data viewing modes
- Optional features to cover every requirement & budget



nova[®]

+44 (0) 1723 518011
www.pulsarinstruments.com

Overview

The Nova range of high performance sound level meters successfully combines advanced technology noise measurement methods with ease of use and durability.

We have listened to our customers for 45 years. We know that you all have different requirements and what you need today may change in the future. We also understand that purchasing noise measurement equipment is a huge investment.

The Nova range consists of six powerful sound level meters. These differ from other sound level meters, as they offer the user the unique opportunity to add features either immediately or at a later date so that the instrument will always be suitable for their requirements.

Standard Measurement Kits

Instruments are usually supplied as part of a noise measurement kit which contains everything required to take noise measurements.

The Nova kit contains:

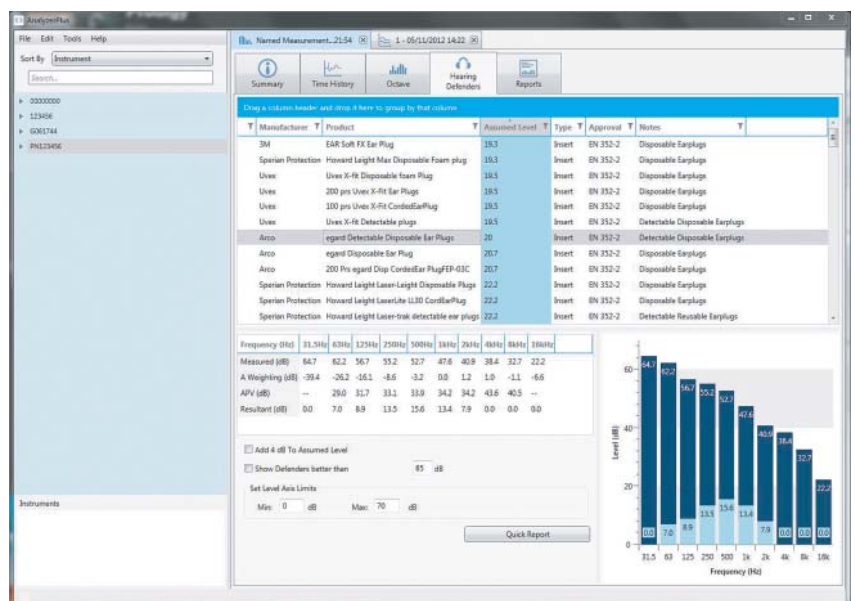
Nova sound level meter, acoustic calibrator, windshield, batteries, hard kit case, 7 year warranty, calibration certificates, the Pulsar AnalyzerPlus software and download cable.

Outdoor Measurement Kits

Both Class 1 and Class 2 instruments have a removable preamplifier which enables the instruments to be used with microphone extension cables. These outdoor measurement kits transform the hand held instrument into a longer term, outdoor monitoring system.

Software

AnalyzerPlus allows the user to download their measurement data onto a PC or laptop for analysis and to create a variety of reports.



Example of a generated report with the Nova software AnalyzerPlus of the hearing defenders' tab for PPE equipment specification using octave band measurements which includes a large database of hearing protection equipment and reporting functions. Nb. The Pulsar Nova 'AnalyzerPlus' software package is supplied with all instruments and is used to configure your sound level meter. For customers with the data logging option, Pulsar's outstanding Nova AnalyzerPlus software allows the user to download their measurement data onto a PC or laptop for analysis and to create a variety of reports.

Model 41 (Class 1) & Model 42 (Class 2)

Entry level sound level meter



- IEC 61672-1:2002 compliant sound level meters
- Low cost Class 1 or Class 2 SPL instruments
- OLED display can be seen in all conditions
- Calibration prompt for compliant, accurate measurements
- Simultaneous measurement of all key noise parameters
- Add features now or later so that your meter always suits your budget and needs
- 20dB(A) to 140dB(A) dynamic measurement range

Applications

- Basic noise level assessments
- Emergency service alarm testing
- Sound system installation
- Vehicle noise measurement

Optional features table

	Class 1	Class 2	SPL	Simultaneous A, C & Z Frequency Weightings	Simultaneous F S & I Time Weightings	Leq/Peak (inc C-A & Quick Integrator Settings)	Pause & Back Erase	Data Logging	Manual Audio Record & Data Logging	Audio Note & Data Logging	Repeat Timer & Data Logging	Single Timer	TWA/dose	Ln Values	1:1 Octaves
Model 41	✓		✓	✓	✓	○	○	○	○	○	○	○	○	○	○
Model 42		✓	✓	✓	✓	○	○	○	○	○	○	○	○	○	○

✓ Standard feature ○ Optional add on feature

Model 43 (Class 1) & Model 44 (Class 2)

The professional's sound level meter



- A simple to use occupational sound level meter
- All of the features of the Model 41 & Model 42 with the addition of:
- Leq, Peak and C-A for the HML method of hearing protection calculation
- Pause & back erase function
- 20dB(A) to 140dB(A) & 143dB(C) dynamic measurement range
- Colour coding for measurement status

Applications

- Noise at work
- Occupational & industrial hygiene
- Construction noise measurement
- Machinery noise testing
- Entertainment noise measurement



Optional features table

	Class 1	Class 2	SPL	Simultaneous A, C & Z Frequency Weightings	Simultaneous F S & I Time Weightings	Leq/Peak (inc C-A & Quick Integrator Settings)	Pause & Back Erase	Data Logging	Manual Audio Record & Data Logging	Audio Note & Data Logging	Repeat Timer & Data Logging	Single Timer	TWA/dose	Ln Values	1:1 Octaves
Model 43	✓	○	✓	✓	✓	✓	✓	○	○	○	○	○	○	○	○
Model 44	○	✓	✓	✓	✓	✓	✓	○	○	○	○	○	○	○	○

✓ Standard feature ○ Optional add on feature

Model 45 (Class 1) & Model 46 (Class 2)

The premium sound level meter

All of the features of the Model 43 & Model 44 with every feature below as standard:

- AnalyzerPlus data-logging software
- Manual audio record
- Audio Note
- Repeat Timer
- Single Timer
- TWA/dose
- Ln Values
- Real time 1:1 octave band filters

Applications

- Noise at work
- Occupational & industrial hygiene
- Environmental noise measurement
- Boundary noise measurement
- Machinery noise testing
- Vehicle noise testing
- Entertainment noise measurement



Features table

	Class 1	Class 2	SPL	Simultaneous A, C & Z Frequency Weightings	Simultaneous FS & I Time Weightings	Leq/Peak (inc C-A & Quick Integrator Settings)	Pause & Back Erase	Data Logging	Manual Audio Record & Data Logging	Audio Note & Data Logging	Repeat Timer & Data Logging	Single Timer	TWA/dose	Ln Values	1:1 Octaves
Model 45	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Model 46	○	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ Standard feature ○ Optional add on feature

