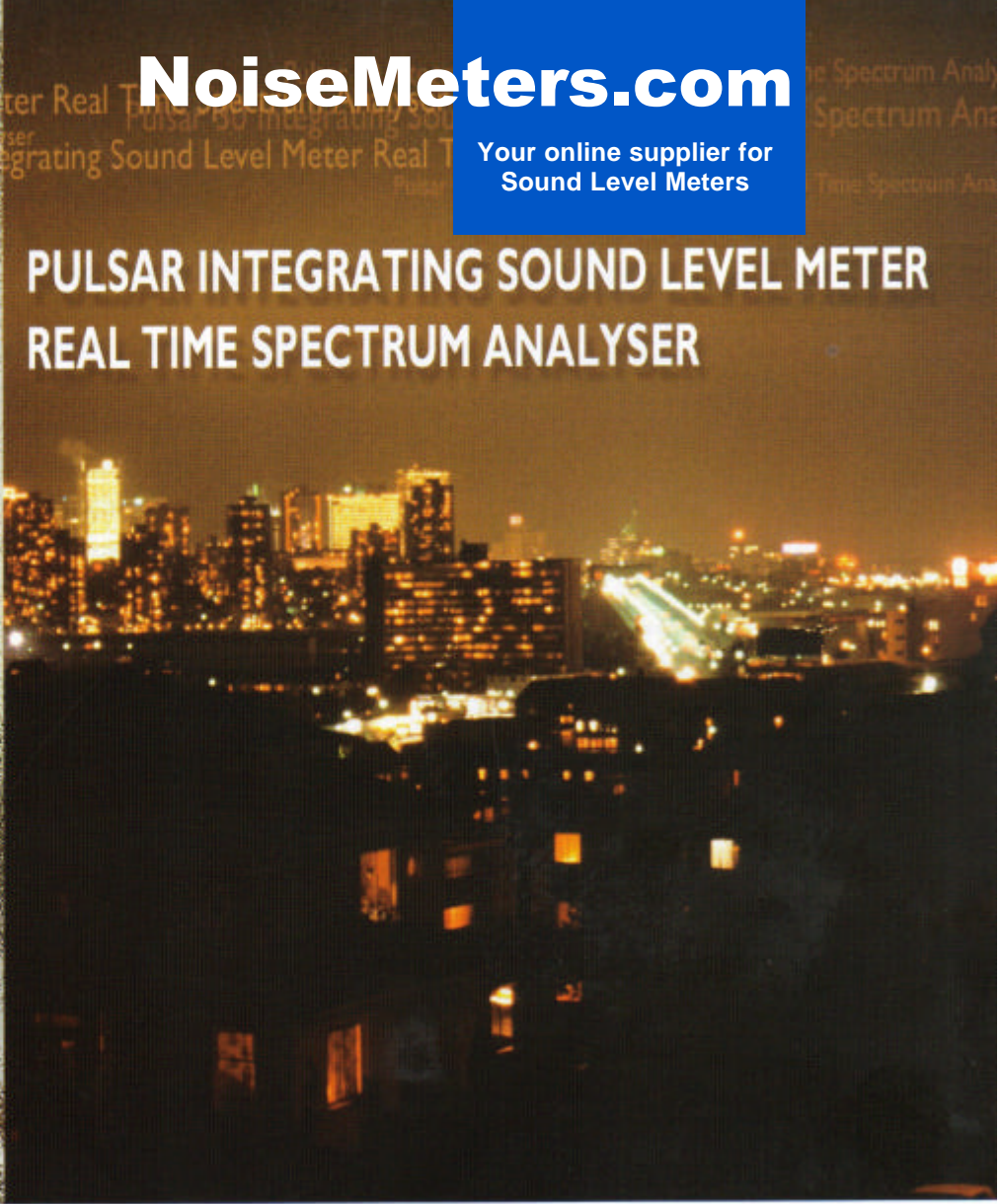


NoiseMeters.com

Your online supplier for
Sound Level Meters

PULSAR INTEGRATING SOUND LEVEL METER REAL TIME SPECTRUM ANALYSER



30 33
pulsar pulsar

- * Type 1 or Type 2 Integrating Sound Level Meter
- * Octave Band **Real Time** Analyzer (Pulsar 30)
- * 1/3 Octave Band **Real Time** Analyzer (Pulsar 33)
- * Robust metal case of slim design for comfortable handheld use
- * Measures all parameters at the same time with frequency weightings A, C and Z
- * Measurement range 23 to 140 dB in a **single span**
- * Graphic screen and tactile membrane keypad for easy use
- * Detachable pre-amplifier for use with an extension cable

Email: info@noisemeters.com

See more about the Pulsar RTA or **buy it online** at
www.noisemeters.com

www.noisemeters.com

Pulsar 30 Real Time Analyzer

The Pulsar 30 is a "new generation" sound level meter designed to meet the new IEC 61672 standard as well as the existing ones. Over 50 possible measurement parameters are available, with many taken simultaneously in parallel.

As a real time analyzer, ten octave bands from 31.5 Hz to 16 kHz plus the overall weighted levels are measured, stored and can be displayed on the instrument or transferred to a computer for later analysis.

The versatile Pulsar 30 is ideal for all classes of noise measurement and is not limited to a narrow application field.

Pulsar 33 Real Time Analyzer

The Pulsar 33 is based on the Pulsar 30 but is fitted with real-time 1/3 octave band filters. Twenty eight bands cover from 20 Hz to 10 kHz.

Single Range

Having only one range going from the noise floor, typically around 20 dB, up to 140 dB, the need for range selection disappears and effectively all the noise can be captured.

The instrument is supplied with data transfer software and a full range of accessories are available.

Applications

The Pulsar RTA exceeds all current standards for industrial noise measurement. Many parameters are measured simultaneously, so the overall level can be measured in terms of Leq or Exposure and the noise spectrum can be then checked to allow selection of hearing protection. All measurements made can be stored and used for recording and evidential purposes, as well as to allow re-analysis.

In its environmental role, the Pulsar RTA fulfills almost all users' needs. Noise can be measured in terms of the statistical levels, the average level or the spectrum.

In product quality control, the Pulsar RTA is able to use almost any acoustic parameter as the measure of performance. As the microphone is detachable, it can be mounted



The software supplied with the instrument

near to a production unit and the instrument used to determine "pass-fail" for the production process.

Measurement Kits

The Pulsar RTA is available as part of a complete measurement kit that includes all the accessories normally needed such as an acoustic calibrator, wind screen, spare batteries, data cable, software, etc.

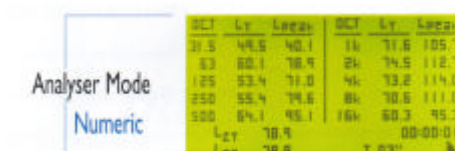
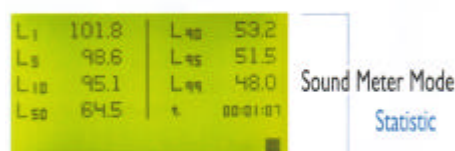
Instrument Functions

The Pulsar RTA simultaneously measures the following functions:

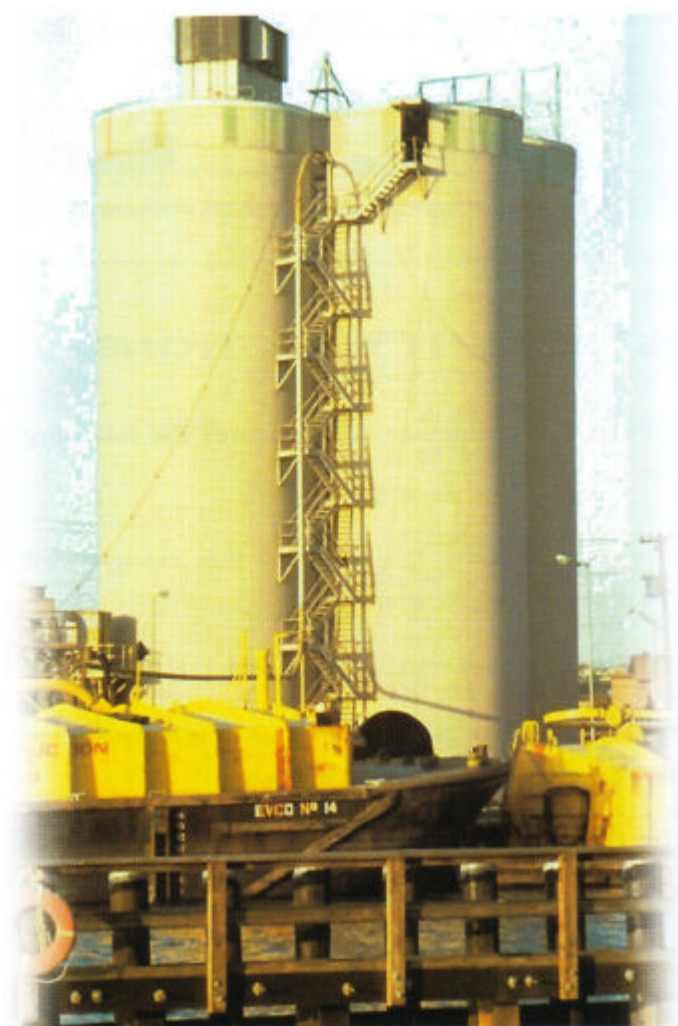
- * The sound pressure level S, F & I time averaging and the maximum and minimum values.
- * The maximum Peak sound pressure level.
- * Leq or SEL with a programmable integration time and maximum and minimum levels.
- * The Leq during the whole measurement period.
- * L1, L5, L10, L50, L90, L95 and L99 of both the entire measurement and of shorter periods.
- * All the functions are measured simultaneously with frequency weightings A, C and Z.

In spectrum analyzer mode it measures the following functions simultaneously and in real time:

- * The un-weighted Leq with programmable integration periods for octave bands (Pulsar 30) or 1/3 octave bands (Pulsar 33).
- * The maximum of the peak sound pressure level for each of the bands.
- * The Leq of each period with two frequency weightings chosen from A, C or Z.



SPECIFICATIONS



Applicable standards: ANSI S1.4 Type 1 or Type 2
IEC 60651 & IEC 60804 Type 1 or 2

Measurement range: From noise floor to 137 dB
(140 dB Peak)

Weighting:
Frequency A, C & Z (zero) plus octaves
Time S (slow), F (fast), I (impulse) & Peak
(current level & max)

Octave Bands: 31.5 Hz to 16 kHz
1/3 Octave Bands: 20 Hz to 10 kHz (Pulsar 33 only)

Integration: Leq & SEL from 1s to 99hr

Statistical values: L1, L5, L10, L50, L90, L95 & L99

Display type: Graphic LCD with multiple functions

Output: RS232, AC un-weighted (linear)

Temperature:
Operating -10°C to +50°C up to 99% RH

Removable Pre-amplifier: Type PA-14 for electret (standard)
Type PA-13 for 200V mic (option)

Dimensions: 341 x 82 x 20mm
13.4" x 3.2" x 0.8"

Weight: 573 gms
(excl. batt) 20 ounces

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