

NLCD

Digital Noise Measuring System



DESCRIPTION

The NLCD integrates inside a small tilting box a microphone, a preamplifier, an A-weighting filter and a A/D converter coupled to a fast microcontroller. Its function is to measure ambient noise levels and to transmit those by means of an EIA-485 serial interface to a remote controller or measuring device.

APPLICATIONS

- In Noise Control and Measuring Systems
- In Automated Public Address Systems

FEATURES

- Small convenient box with tilting bracket
- Single DB-type connector for power and I/O
- Fully RF filtered
- Microprocessor-driven with robust EIA-485 communications

- Precise A-weighting filter built-in
- Configuration kept in EEPROM non-volatile memory
- May be calibrated remotely from a PC by means of the SA2 adapter (not supplied)
- Fully EN 55103 compliant according to 89/336/EMC

SPECIFICATIONS

| | |
|------------------------|------------------------------|
| Microphone element | Electret |
| Output clipping point: | 110dB/1m |
| Dynamic Range | >45dB |
| Weighting | IEC-A |
| Average time | 1-30s, software programmable |
| Interface | EIA-485 on DB-9 |
| Physical | 0.12x0.12x0.05m |
| Weight | 300 g |
| Power supply | +12VDC @40mA |
| Operating temperature. | 0-50°C |
| IP grade | IP43 |

NLCD V1.11 2003-11-10
Specifications may change without prior notice
Copyright © by Acutron 2001-2003 all rights reserved.
LARSEN® is a trademark of Acutron Electroacustica

ABC-Abrunheira Business Center
Edifícios 10-11 R. das Maçarocas
Abrunheira 2710-056 Sintra
Tel +351 219152040
Fax +351219154079
web: www.acutron.net
mail: info@acutron.net

DISTRIBUTOR



LARSEN

