

## 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

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#### DISTRIBUTOR

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