



# NoiseTutor - Permanent

Pole or wall mounted noise monitor with real time alerts and web publishing

## Highlights

- Complete noise monitoring system
- Wireless remote monitoring (optional)
- Designed for permanent outdoor use
- Includes website template for use on your own website
- Mount to tilt-down pole (TRP019), temporary pole (TRP020), wall, or wooden pole
- Easy to maintain and service
- US and international configurations available

## Applications

- City noise
- Construction noise
- Airport noise
- Nuisance noise monitoring
- Noise ordinance compliance



For permanent and semi-permanent outdoor noise monitoring where remote access is required, the NMS043 is an excellent choice. When you need online access to noise data for monitoring construction noise, nuisance noises, transportation noise or other unwanted noises, the NMS043 will reliably do the job.

The base system provides a class 1 noise monitor with an embedded PC to manage remote communication and data. The NMS043 is also available with an optional industrial grade 4G gateway (modem) that enables high speed wireless communication with the noise monitor. The NMS043 enclosure is designed with shelves to easily accommodate a variety of components so it can be configured to meet unique requirements.

To make a complete noise monitoring system using the NMS043 add AC power, Internet or a SIM card for the optional gateway (modem), a mounting structure for the case and microphone.

### Available configurations:

Configuration	Gateway (modem)	Mounts to
NMS043		TRP019 or TRP020
NMS043-MDM-U/E	Included	TRP019 or TRP020
NMS043-OPT1		Wall or wooden pole
NMS043-OPT1-MDM-U/E	Included	Wall or wooden pole



## NoiseTutor Model NMS043

### Specifications

#### Physical

Height	20 in (51 cm)
Width	18 in (46 cm)
Depth	10.5 in (27 cm)

#### Weight (including batteries)

NMS043	62 lbs. (28 kg)
NMS043-OPT1	67 lbs. (30 kg)
NMS043-MDM-U/E	64 lbs. (29 kg)
NMS043-MDM-OPT1-U/E	69 lbs. (31 kg)
Batteries only	27 lbs. (12 kg)

#### Environmental

Operating Temperature	- 40 °F to 140 °F (- 40 °C to 60 °C)
Operating Humidity	0 to 99% relative humidity, non-condensing

#### Power

Internal Batteries	2 x 12 V, 21 Ah, SLA batteries
Battery Runtime	>24 hours continuous operation with modem
AC Input Voltage	90 to 240 V, 50-60 Hz

#### Industrial PC

CPU Speed	1.6 GHz Intel Atom
Memory (RAM)	2 GB
Storage	80 GB solid state disk
Operating System	Microsoft Windows 7 Professional

#### EPS043-OPT1 Option

Mount	4 ea. of 5/16 x 3.5 inch lag bolts + frame
-------	--

### NMS043 Included Items

831	Model 831 Sound Level Meter
831-ELA	Exceedance logging option for Model 831
831-LOG	Logging option (20 ms to 24 hr.) for Model 831
831-OB3	1/1 & 1/3 Octave analysis for Model 831
EPS043	NEMA4X fiberglass enclosure with surge suppressor
EPS2116	Outdoor protection for microphone & preamplifier
ADP100	Adapter to mount EPS2116 on TRP019/20
FITPC-NT	Industrial grade PC with Windows 7, includes SWWW-DNA-NT NoiseTutor software
PRM2103-FF	Outdoor preamplifier and free field microphone
CBL203-20	Cable from PRM2103-FF to 831, 20 ft (6 m)
BAT011	2 x 21 Ah batteries
1125.0016	Small, wireless keypad
1980.0001	LCD display, 7 inch
PSA032	Battery charger for 12 V batteries
	Surge suppressor
Cables	CBL138, CBL166, CBL219, CBL221, 0616.0096, 0621.0107, S0616.0001
User supplied	Web server for hosting website

### NMS043-OPT1 Included Items

NMS043	Base NMS043 system
EPS043-OPT1	Option to mount EPS043 to wooden pole or wall

### NMS043-MDM-U/E Included Items

NMS043	Base NMS043 system
COM-RV50-DC-U/E	4G Sierra Wireless modem
COM-ANT-HG	2 x high gain antennas
621.0109	CAT5 network cable, 1.5 ft (46 cm)
User supplied	SIM card with data and messaging plan

### NMS043-OPT1-MDM-U/E Included Items

NMS043-MDM-U/E	Base NMS043 system with modem
EPS043-OPT1	Option to mount EPS043 to wooden pole or wall

### Optional Accessories

EPS043-BAND	Stainless steel security band for EPS043
426A12-NPT	Connecting pipe for 426A12 to TRP019/20 (1½"x27" ISO 228-1 to NPT thread adapter)
SWW-DNA-NT-CS	NoiseTutor option to add continuous sound recording
SWW-DNA-NT-EV	NoiseTutor option to add event processing. Requires SWW-DNA-NT-CS for event sound recording

### Related Products

TRP019	Aluminum tilt-down pole, 17 ft (5.2 m)
TRP020-10	Portable, heavy duty tripod, 10 ft (3 m)
TRP020-15	Portable, heavy duty tripod, 15 ft (4.6 m)
TRP020-20	Portable, heavy duty tripod, 20 ft (6 m)

### Compliance

IEC 61672-1 (2002) Class 1 and ANSI S1.4-2014
IEC 61010-1 (2001) Safety
CE

Part number -U configured for US cellular service and -E for Europe and rest of world.



3425 Walden Avenue, Depew, NY 14043-2495 USA

Phone 716-926-8243

Toll-Free in USA 888-258-3222

Fax 716-926-8215 E-mail sales@larsondavis.com

Web Site www.larsondavis.com

ISO 9001 CERTIFIED

© 2016 PCB Group, Inc. In the interest of constant product improvement, specifications are subject to change without notice. PCB, and ICP are registered trademarks of PCB Group Inc., SoundTrack LXT, Spark and Blaze are registered trademarks of PCB Piezotronics, Inc. HV Manager is a trademark of PCB Piezotronics, Inc. All other trademarks are property of their respective owners.

LD-NMS043-0616

Printed in U.S.A.

For environmental noise monitoring and building acoustics, **Larson Davis** offers a full line of instruments, accessories and software. For personal noise and vibration exposure monitoring, Larson Davis complements this with sound level meters, personal noise dosimeters, human vibration meters, audiometric calibration systems and hearing conservation programs.

Visit [www.larsondavis.com](http://www.larsondavis.com) to locate your nearest sales office