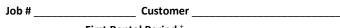


### **LxT Sound Level Meter and NMS Kit**

	ontains LxT kits. s one of each item in this section	unless noted.
079A06 079A07	<b>1/2" Mic</b> Windscreen, 3.5" diameter or <b>1/4" Mic</b> Windscreen, 3.5" diameter	
	Microphone (see table on right)	П
PRMLxT1 PRMLxT1L	PRMLxT1 Preamps ship in a protective case. Also available is the PRMLxT1L low-range preamplifier for 1/2" microphones (shifts dynamic range down to 17-120 dB A-weighted).	
EXC010 EXC020 EXC050	<b>EXC series cable</b> , 5 pin Switchcraft extension cable, used as optional extender between meter and preamp. 10, 20 and 50 ft lengths available.	Q A
NOTE: I	Preamplifier release button	
CBL138	USB Cable USB A to Mini USB, connects meter to computer or power.	
PSA029	AC Power Adaptor.	
Batteries	(4) AA rechargeable batteries. Batteries may be installed in meter.	Energitor)



First Rental Period †

† Rental period starts the calendar date after shipment, and ends on date returned. Rentals can be kept beyond the initial period, and are extended at the same period and rate. Rentals returned in an extension period are billed at a net prorated basis based on return date. Let us know if your company requires a new PO or payment method for extension charges.

#### Microphone(s)

377B02 ships by default. Select based on expected noise ranges. Model LxT apply a digital correction factor to measure Random Incidence with a Freefield Microphone (and the reverse). Units ship with case, o-ring to mate between preamplifier and mic in outdoor use, desiccant, and microphone guideline sheet.



ase, desiceant, and interoprione galdeline sheet.						
	Missanhana			Noise	Low Range Indicator	Overdeed
	Microphone			Floor	indicator	Overload
Quantity	Model	Size	Type	(dBA)	(dBA)	(dBpk)
	377B02	1/2"	Freefield	17.1	26.2	143.5
	377B20	1/2"	Random	15.3	24.4	143.5
	377C01*	1/4"	Freefield	35.7	44.8	172.3
	377C10*	1/4"	Pressure	36.3	45.5	178.8
	377A12*	1/4"	Pressure	37.5	48.6	182.8

<sup>\*</sup>Includes ADP043 1/4 inch microphone to 1/2 inch preamp adaptor

# LxT (Firmware revision 2.302 or higher)

#### **Meter Options and Special Notes:**

Description
LxT-LOG Time History Logging (multi parameter, increments from 1s to 24hr)
LxT-OB3 Selectable real time 1/1 and/or 1/3 octave filter set
LxT-ENV Measurement History Logging: exceedance/events, intervals, and daily
LxT-DVA Digital Voice Annotation for LxT
LXT-HSLOG Option for LXT adding high speed time history storage (logging up to 100msec, LXT-LOG required)
LxT-CN Option for LxT adding Community Noise (Ldn, Lden)
Preload Meter Setup: preload user specified measurement set up onto meter(s) prior to shipment from The Modal Shop
<b>Data Download</b> from meter(s) upon return to The Modal Shop and electronically send data to the following recipient(s):
Other:

# **SECTION 2:**

One accessory kit included for each family of meter rented unless otherwise specified.

\_\_\_\_\_CAL200 Calibrator with adapters (if necessary), manual or instruction sheet.
Chapter 17 of the LxT Manual is short (<10 pages!) and covers calibration, including meter screenshots.



**ADP109** 1/4 in adaptor \_\_\_\_\_

Information including:

Paper USB Email	This sheet as a reference
□ □ □ •	LxT Operation Manual
□ □ □ •	G4 Utility software *Note*
□ □ □ •	SLM Utility – G4 Operation Manual
□ □ □ □ •	Calibration certs for each meter and microphone, and calibrator
□ •	Rental Tracking Sheet, includes serial numbers of units shipped

Please note that USB's are used as a default, but G4 Utility software and LxT Manual are also available for download from <a href="www.larsondavis.com">www.larsondavis.com</a> in the "Support" section.

Feel free to call us if you have any questions! +1 513-351-9919

Videos are available showing calibration and other helpful hints at - http://www.modalshop.com/rental/learn/acoustics/sound-level-meter-831

#### \*Note\*:

G4 LD Utility software is compatible with all 32 bit and 64 bit versions of Windows 7 and 8.1, and 10. The administrator of the PC must install G4 for successful installation. Rental laptops are available with G4 software preloaded. Meter setup and data download services are also available.





### **LxT Sound Level Meter and NMS Kit**

## SECTION 3: Meter Case Options



**CCS001-LxT** Hard shell case for Model LxT Sound Level Meter

Standard method. Each unit ships in individual case. Useful if meters are being divided up at test location.

Typical Box size and weight: 22"x16"x10", 15 lb

 CCS001-831-4 Rugged case holds up to (4) 831 or LxT units with preamplifiers and microphones, and (1) CAL200 calibrator.
 Lower shipping costs by eliminating standard cases that ship with each meter.

Typical Box size and weight: 20"x16"x14", 25 lb



### SECTION 4: Outdoor components for LxT-based NMS kits.

#### **Microphone Environmental Protection Kit**



EPS2116 Environmental protection for 1/2 in preamplifiers (PRMLXT or PRM831), with windscreen & bird spike. Mounting options for 1/4-20 thread (TRP001), 1.5 in. pipe (TRP003) and 3/4 in. NPT pipe included

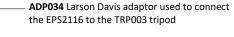
Please see the following video for EPS2116 set up details: www.modalshop.com/ID=1148

 No Environmental Protection Kit Use your own EPS system or an alternate mounting as noted below.

\_ EPS2106-2 Environmental protection for 1/2" ICP® preamplifiers (PRMLXT or PRM831), includes windscreen, bird spikes, desiccants and threaded for 3/4" standard solid-wall PVC conduit thread (FEM)

\_ EPS2108-2 Environmental protection for 1/2 in preamplifiers (PRMLXT or PRM831), with windscreen, bird spikes, desiccants, 1/4-20 thread (FEM) for use with tripods.

# **Tripod Options**





**TRP003** Ultimate support tripod, max height 8ft, used in portable NMS systems *Tripod for unattended monitoring. Ship weight*14 lb for 1, 25 lb for 2, box 64"x 8"x 8"

TRP001 Larson Davis Instrumentation tripod with ADP032 preamp to tripod interface Lightweight tripod, height adjusts from 21" to 56". Not recommended for long term monitoring or in heavy wind. Includes 1/4 – 20 mount

No Tripod Use your own tripod option. Use any tripod with a 1/4-20 male mounting thread (typical camera thread). Can be used with the 079A11 or EPS2116.



# **Battery Power Options**



**EPS042** kit for multi-day use. Includes:

Battery quick guide
BAT015 8 D-cell battery pack

\_\_\_\_\_BAT015 installation guide

\_\_\_\_\_BAT015 battery door

\_\_\_\_\_ D-cell batteries

Powers LxT for 15 days, typically, with appropriate

Powers LxT for 15 days, typically, with appropriate power save settings selected in meter set up. Can also load only 4 batteries into battery pack for half the run time.





**CBL142-010** Preamplifier cable connection 5pin LEMO (bulkhead) to 5 pin Switchcraft female (to preamplifier), 10 ft Additional lengths available

EPS030-LxT kit for multi-day use. Includes manual, rugged case for LxT including 1x21Ah battery (BAT011), charger (PSA032), CBL141, 12V to USB converter (PSA031) and power cable (CBL169) Powers LxT for 6 days, typically, with appropriate power save settings selected in meter set up





# **LxT Sound Level Meter and NMS Kit**

		Additional Power Options See online for additional information
		BAT011 DC 12V 21Ah External Sealed Lead Acid Battery non-spillable 6"x 9"x 4" 10lb unit, charger included upon request
		CBL169 External Power Cabling for One External 12 V Battery (female cigar lighter)
		PSA031 12VDC to USB Converter used with CBL169
		BAT015 8 D cell battery holder with fuse with power connection to meter
		Additional Tripod Options
		079A10 Holds 1/4" microphone/preamplifier pair via friction fit, and mates to standard camera tripod via 1/4"-20 thread
079A11	0	<b>079A11</b> Holds 1/2" microphone/preamplifier pair via friction fit, and mates to standard camera tripod via 1/4"-20 thread
_		<b>079A15</b> Tripod for temporary/attended testing. When used with 079 series, holds mic/preamp pair with windscreen. Not designed to support weight of sound meter
079A15	-	Additional Accessories
		<b>SWW-DNA</b> Data Navigation and Analysis Software navigate through extensive data with measurement organization, reporting, and data post-processing tools
		ACC003 Headset with microphone boom, 2.5mm micro-jack for voice annotation
	ł	ADP074 ICP® interface cable allows connection of a single axis ICP® accelerometer, provides BNC connection
		ADP097 Direct input adaptor BNC for Model 831
	-	CAL200 Class 1 acoustic calibrator with user selectable output of 94 or 114 dB at 1 kHz. 1/2" opening
	\	CAL250 Class 1 acoustic calibrator with 1 inch opening, output of 114 dB at 251.2 Hz
		ADP019 1/2" microphone adaptor for CAL250 1" calibrators
		ADP114 1/4" microphone adaptor for CAL250 1" calibrators
		ACO WS7 7" Windscreen for ½" microphones
		ACO-WS7-80T 7" Windscreen for 1/2" Microphones (80ppi) Dense-Treated Windscreen

