



Three categories of Noise Monitoring Systems




Portable

- Typically 30 days or less monitoring
- Battery or AC powered
- Remote communication may not be needed



Semi-Permanent

- Typically 1 month to several years monitoring
- AC or solar powered
- Remote communication common



Permanent

- Monitoring one location for many years (up to 20)
- AC or solar powered
- Remote communication

Battery Operated NMS Overview

Configuration	Battery	LxT runtime (typical)	831 Runtime (typical)	Size	Weight	Cost
Internal batteries	Alkaline	16 hours	13 hours	Smallest	Lightest	\$
Internal batteries	Lithium	30 hours	24 hours	Smallest	Lightest	\$\$
EPS042	Alkaline (8 x D-cell)	17 days	9 days	Small	Light	\$\$\$
EPS030	Lead Acid (21 Ah)	6 days	6 days	Med	Medium	\$\$\$\$
EPS036-LxT EPS036-831	Lead Acid (2 x 21 Ah)	14 days	14 days	Large	Heavy	\$\$\$\$
EPS037-LxT EPS037-831	Lead Acid (100 Ah)	28 days	28 days	Large	Heaviest	\$\$\$\$

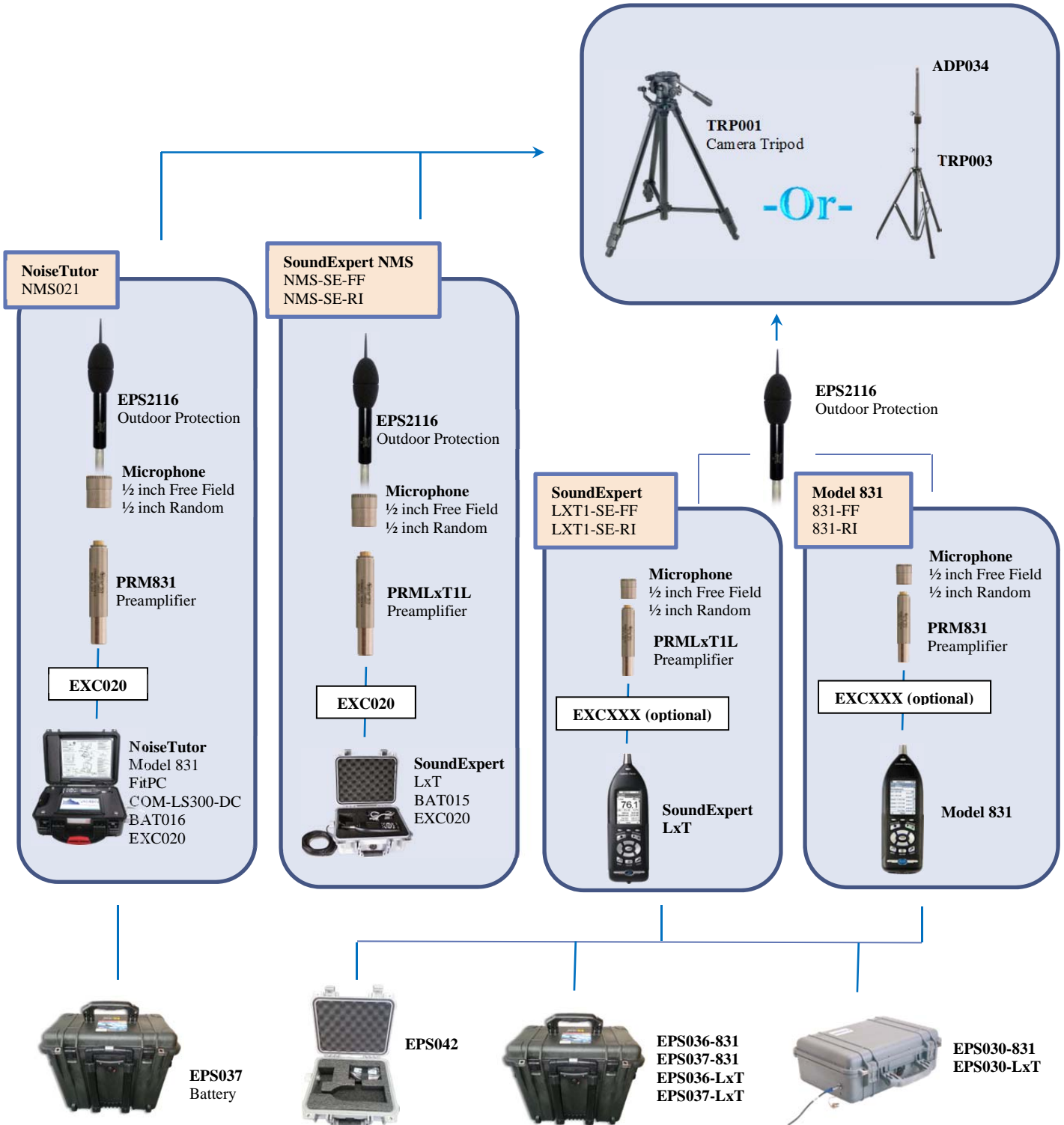
Selection & Configuration Guide

Portable NMS Selection Guide

Feature	NoiseTutor	SoundExpert NMS	SoundExpert LxT	Model 831
Network communication (cellular, WiFi or wired)	✓			
Publish data to a website	✓			
Onboard event detection	✓			Optional (831-ELA)
Sound Recording	✓			Optional (831-SR)
Efficient battery operation		✓	✓	
Low cost		✓	✓	
Pre-configured system	✓	✓		
Customizable product				✓
1/1 & 1/3 octave filters	✓	✓	✓	Optional (831-OB3)
Data Logging	✓	✓	✓	Optional (831-LOG)
Community Noise	✓	✓	✓	✓
Measurement History	✓	✓	✓	Optional (831-ELA)
Percentile (Ln)	✓	✓	✓	✓
Power	AC w/backup	Battery	AC or DC	AC or DC

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Portable NMS Configuration Guide



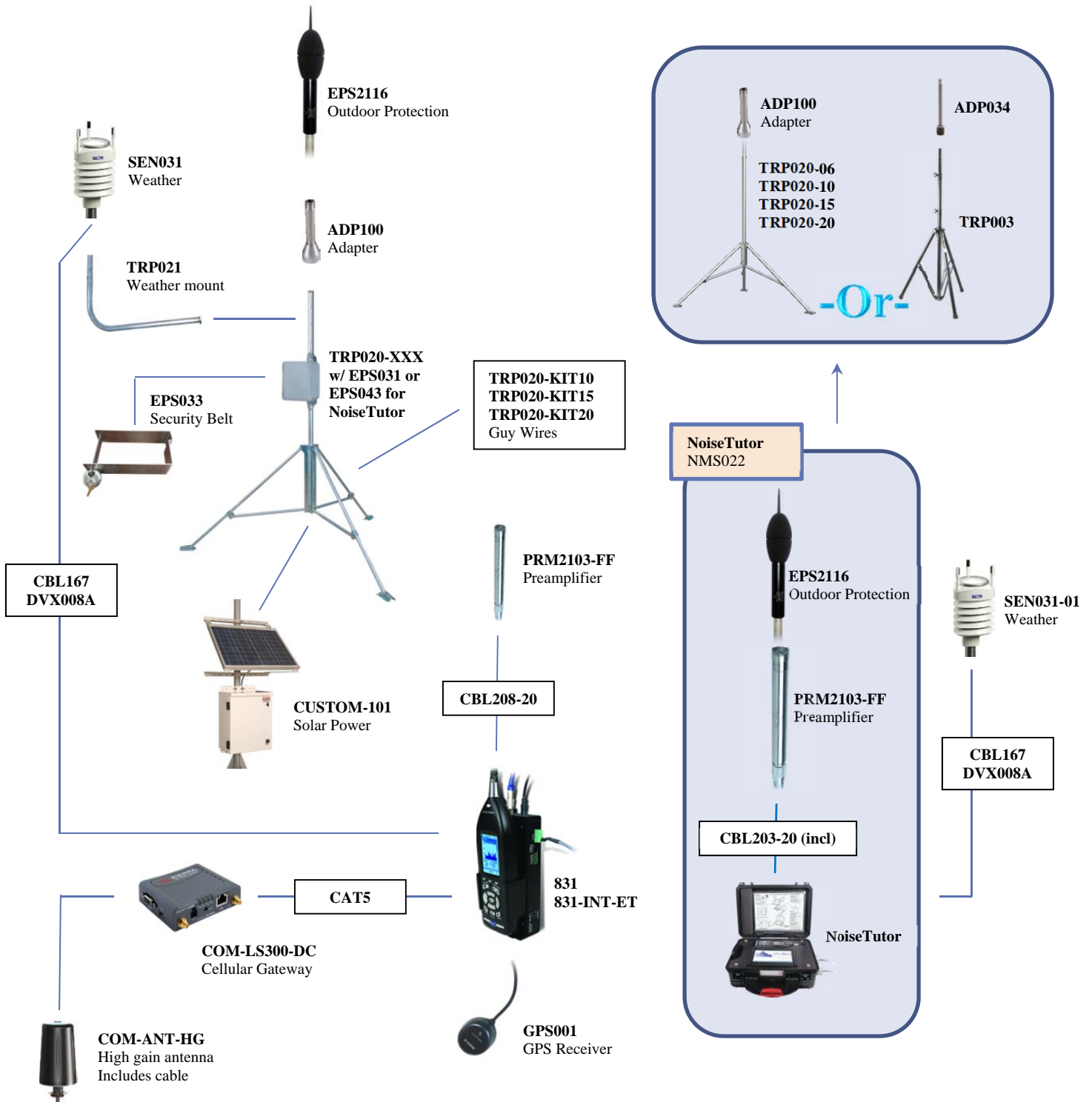
Selection & Configuration Guide

Semi-Permanent NMS Selection Guide

Feature	NoiseTutor	Model 831
Network communication (cellular, WiFi or wired)	✓	Optional (831-INT-ET)
Publish data to a website	✓	
Calibration check with PRM2103-FF	Standard with NMS022	✓
Low power		✓
Low cost	✓	
Event detection in Model 831	✓	Optional (831-ELA)
Events displayed in website	Optional (SWW-DNA-NT-EV)	
Event Audio in Model 831	Optional (831-SR)	Optional (831-SR)
Event Audio on website	Optional (SWW-DNA-NT-CS)	
1/1 & 1/3 octave filters	✓	Optional (831-OB3)
Data Logging	✓	Optional (831-LOG)
Community Noise	✓	✓
Measurement History	✓	Optional (831-ELA)
Percentile (Ln)	✓	✓
Power	AC w/battery backup	AC or DC
Weather	Optional	Optional (831-WTHR)
GPS for time and position		Optional (GPS001)

Selection & Configuration Guide

Semi-Permanent NMS Configuration Guide



Selection & Configuration Guide

Permanent NMS Configuration Guide

