

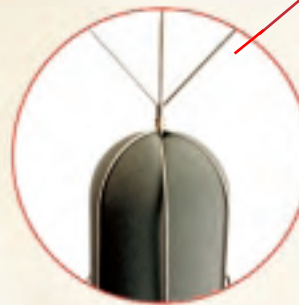


## **OUTDOOR MEASUREMENT SYSTEM CONVERSION KIT**

For **SoundPro**<sup>®</sup> SE/DL Hand Held  
Sound Level Meter & Real-Time Analyzer

### **Typical Applications**

- Transportation Noise Assessment
- Recreational Noise Assessment
- Industrial Fenceline Monitoring
- Public Event Monitoring
- Construction Site Monitoring
- Complaint Investigations
- Noise Ordinance Enforcement
- Environmental Impact Studies
- Noise Control Engineering
- Research



### **The Issue**

The assessment of environmental noise within the community or industrial workplace typically requires that you capture an uninterrupted history of noise data for a temporary but extended period of time. Several challenges can arise when you try to apply conventional measurement instrumentation to this task. Your very costly noise measurement studies and instrumentation may be at risk of disruption or damage from exposure to wind, rain, snow, chemicals, particulates, animals, tampering, vandalism and theft. Conventional meters are also likely to lack the power capacity to run continuously for the extended time periods you require.

### **The Solution**

Quest Technologies offers the SoundPro – Outdoor Measurement System Conversion Kit as a tool for substantially reducing or eliminating the many risks presented above.

The conversion kit provides environmental protection and rechargeable batteries for extended outdoor operation of the SoundPro (up to one week of continuous operation). The weatherproof case holds the meter and battery pack with room for accessories and storage of the system components while not in use. Exposed components are made of stainless steel or ABS and engineered polymers.

The weatherproof case also provides a stable base for mounting the microphone mast. There is an internal battery monitor circuit to reduce the risk of damaging the batteries by over-discharge. The circuit also protects against over-voltage, over-temperature (70° C or 158° F), and over-current (2 amps, each output). There is an onboard universal input battery charger that fully recharges two empty batteries in about 16 hours. Provisions exist in the case design to allow customer-supplied padlocks and cables to be used to lock the case and secure it to a stationary object.

The kit contains all necessary masts, windscreens, cables, battery packs and adapters required for use with the SoundPro – Real-Time Analyzer.



## Ordering Information

PART NUMBER	DESCRIPTION
<b>CONVERSION KIT</b>	
057-830	<b>Outdoor Measurement System Conversion Kit for SoundPro</b> Provides 3.5 days (84 hours) of continuous operation. Includes necessary masts, windscreen, cables, (1) rechargeable battery pack, adapters and water resistant carrying case. <i>ORDER SOUNDPRO DLX SEPARATELY.</i> Order 057-242 separately to increase continuous operating time to 7.0 days (168 hours).
<b>REPLACEMENT/ADDITIONAL BATTERY PACK</b>	
057-242	<b>Rechargeable Battery Pack Assembly for SoundPro – Outdoor Measurement System.</b> Add to 057-830 to achieve 7.0 days (168 hours) of continuous operation or use as replacement for existing battery pack provided in 057-830.

## Conversion Kit Technical Specifications

PART NUMBER	DESCRIPTION
<b>BATTERY POWER</b>	
Standard 057-830 Kit:	Typically 3.5 days (84 hours) without optional plug-in accessories in the meter.
Standard 057-830 Kit with Optional Additional 057-242 Battery Pack:	Typically 7.0 days (168 hours) without optional plug-in accessories in the meter.
Recharge Indicators:	Yellow LED – Charging. Green LED – Finished Charging. Blinking LED – Charging Problem.
Recharge Rate & Time:	Charging rate of 5 amps. 8.4 hours typical for one fully discharged battery pack (42 amp-hours / 5 amps) 16.8 hours typical for two fully discharged battery packs (84 amp-hours / 5 amps).
Storage:	Recharge of batteries in storage recommended at least every 12 months or when open circuit voltage drops below 12.00 volts per battery. Check more frequently if storage temperature exceeds 25° C (77° F).
<b>ENVIRONMENTAL</b>	
Operating Temperature:	0° C to 50° C (32° F to 122° F).
Ingress Protection Rating:	IP44.
Desiccant:	Silica Gel Canister (unlimited reactivations). Blue to pink color change signifies reactivation required. Reactivate by heating to 150° C (300° F) for three hours or allow returning to blue again in dry ambient air.
<b>MECHANICAL</b>	
Dimensions In Transit:	64 cm W x 51 cm D x 38 cm H (25" W x 20" D x 15" H).
Dimensions Assembled:	64 cm W x 51 cm D x 200 cm H (25"W x 20" D x 78" H).
Overall Weight:	45 kg (100 lbs) with (2) two battery packs. 30 kg (67 lbs) with (1) battery pack.



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