

BAT

Stereo Contact Microphone SS075



FEATURES

- Extremely high sensitivity and gain
- Wide frequency range: up to 8000 Hz
- Stereo signal improves target intelligibility and localization
- Supports wide imaging of 10 meters and more
- Ultra-low noise system, 3 discrete levels of DSP ambient noise reduction
- Ruggedised sensor withstands high impact forces
- Optional thin, ultra sensitive probe microphone
- Quick start system – simply connect, attach and listen



APPLICATIONS

- Listening through walls
- Remote monitoring of structure-borne audio signals
- Locating people beneath collapsed buildings (*optional probe microphone)
- Industrial and noisy environments
- Standard outdoor surveillance operations
- Homeland Security
- Suited for use in SWAT, tactical task forces, and container monitoring



The BAT is a high performance device that enables you to listen and record through various surfaces including walls, floors, windows, and doors without the need to be inside the room.

The BAT includes a built in DSP based Noise Reduction function that increases voice intelligibility in noisy environments or where there is ambient noise (such as air conditioning). The BAT contact microphone heads are highly sensitive, while at the same time they are extremely robust devices and water resistant up to a depth of 5 meters.

The BAT system is comprised of two contact microphone heads with cable and reel and the stereo electronics box. The rear panel of the stereo electronics box contains the lemo connectors for connecting the microphones, DC power and the DSP Noise Reduction Control (Hi-Pass filter, Adaptive NR 12dB, Adaptive NR 18dB).

Options include a thin, ultra sensitive probe microphone designed especially for life-saving, rescue and hostage situations. The probe microphone is easily pushed through tight spaces giving high fidelity listening.

TECHNOLOGY

The BAT senses the microscopic vibrations resulting from sounds and noises inside the room and translates them into audio signals. The BAT is based on unique acoustic technology resulting in high quality stereo sound. ■

TECHNICAL SPECIFICATIONS

Device Type	Contact microphone
Frequency Response	30-8,000 Hz
Amplification	Up to 100,000
Self-Noise (RMS)	< 3 µg
Noise Reduction	6 / 12 / 18 dB
Supply Voltage	8-15 V DC or 4x1.5V AA Battery
Power Consumption	<0.5W
Operating Temperature	-20 to +60 °C (-4 to +140 °F)
Storage Temperature	-20 to +60 °C (-4 to +140 °F)
Water Resistant	Up to 5 m
Cable Length	5 meters (16.4 ft) for each channel
MTBF	>100,000 hours
Contact Microphone Head	
Diameter	35 mm (1.38")
Height	20 mm (0.78")
Weight	16 g (0.56 oz) each sensor
Stereo Electronics Box	
Height	27 mm (1.06")
Width	57 mm (2.24")
Length	110 mm (4.33")
Standard Battery Type	
Operating Time	> 8 hours

PRODUCT CODES

BAT Stereo Contact Microphone - Full Systems

3-299-659 SS075 BAT Stereo Contact Microphone System with 2x5 meters of 2x3mm zip cord optical fiber, Stereo Electronics box with built-in DSP, Audio cable with 3.5mm jack, headphones, 8-12V DC power supply, Needle Kit (Plaster Wall Needles & Butterfly screws), Guidance Manual & carrying case

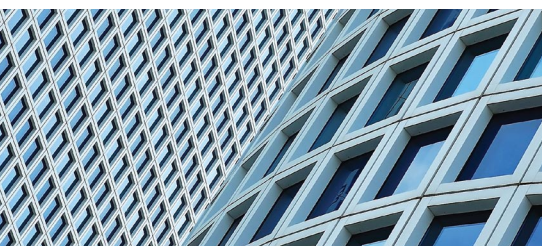
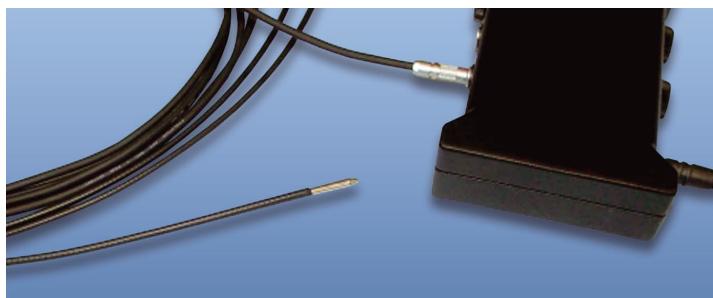
BAT - Accessories, Components & Upgrades

3-299-649 Extension Cable Type Indoor, **2x3mm Zip Cord** (specify length from 10-100m) will withstand bending and stepping on it

3-299-667 Built-in Recorder (Micro-SD format) 16 GB, 44.1kHz, 16 bit, no compression > 16 hours

3-299-661 Thin, Ultra Sensitive Probe Microphone for BAT & SUPER BAT, probe diameter 3mm, rigid and flexible cable, Total length: 5 m (3m of semi-rigid probe + 2m of electrical cable)

*Optional thin, ultra sensitive probe microphone



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