HYPERSPIKE ® HS-14

ACOUSTIC HAILING DEVICE

151 dB SPL PEAK ACOUSTIC OUTPUT

COMMUNICATION RANGE: 2000m

NARROW ACOUSTIC BEAM: +/- 12° @ 2kHz

FREQUENCY RESPONSE: 300 Hz - 8kHz, OPTIMIZED FOR HUMAN VOICE

STI 0.81 OUT OF 1.0

BUILT-IN HIGH FREQUENCY ALERT TONE

INTERNAL 16 GB FILE PLAYER

BUILT-IN THERMAL MANAGEMENT SYSTEM TO PREVENT THERMAL SHUTDOWN

INDUSTRY LEADING TECHNOLOGY

Engineered with proprietary HyperSpike ® technology, the HS-14 is a self-contained, lightweight, portable acoustic hailer for communicating long distances and penetrating high background noise environments. With an acoustic footprint of up to 2000 meters, the HS-14 packs a peak acoustic output of 148 dB to ensure clear and authoritative voice commands are clearly understood.

Powerful deterrent tones which enhance military and security personnel's response capabilities are easily accessible with the built-in high frequency alert tone.

Weighing only 37 lbs., the rugged, lightweight carbon fiber reinforced housing is easily transported and withstands extreme maritime and desert environments.

An exceptional STI rating of 0.81 out of 1.0 combined with an extended frequency range ensures authoritative voice commands are clearly delivered to the intended target.

APPLICATIONS

- Military Security
- Small Craft & Vehicles
- Perimeter Protection
- Law Enforcement
- Crowd Control
- Fire Services
- Wildlife Management
- Maritime
- Border & Port Protection

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HS-14 Specifications

ORDERING INFORMATION

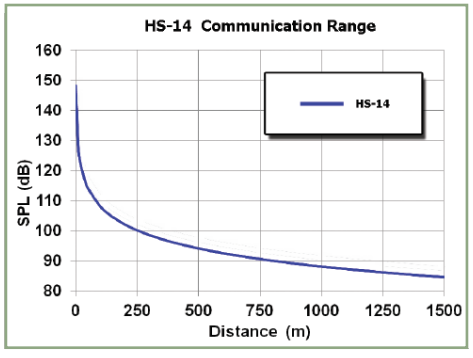
Model No. 90110A
(see price sheet for selectable options)

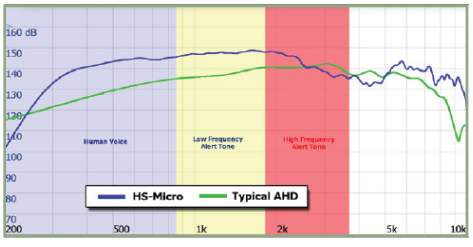
INCLUDED WITH THE HS-14

- Record/Play Microphone
- Integrated MP3 Player
- Hearing Protection
- HS Audio Optimizer Software
- Saddle Bracket

OPTIONAL ACCESSORIES

- Tripod
- Remote Controller
- Ship Rail Clamp (Stainless Steel)
- Transit Case





ACOUSTIC SPECIFICATIONS

Sound Pressure Level, Peak[A]	151 dB @ 1m (LL Peak Max)
Usable Range[B]	Up to 2000 m (see graph)
Beam Width	+/- 12° (24° conical @ 2 kHz/-3 dB)
Frequency Response	300 Hz - 8 kHz (see graph)

PHYSICAL SPECIFICATIONS

Dimensions - Emitter Head	14.7" Diameter x 16.5" Depth (37.3 cm Diameter x 41.9 cm Depth)
Cross-Sectional Area	169.7 in^2
Weight - Emitter Head	37 lbs (16.8 kg)
Housing Material	Carbon Fiber Reinforced
Housing Color	Navy Gray (04), Desert Tan (02) or custom

POWER REQUIREMENTS

Power Input	10-34 VDC
Power Consumption	425W Average (Alert Tone) 750W Peak (Alert Tone)

ENVIRONMENTAL

High/low Operating Temperature[C]	MIL-STD-810G, Method 501.5 & 502.5, +60°C, -20°C Procedure II
Vehicle Vibration	MIL-STD-810G, Method 514.6 Procedure I
Shipboard Vibration[C]	MIL-STD-167-1A Type I
Shipboard Shock[C]	MIL-STD-901D, Grade B Type A
Rain (Blowing)[C]	MIL-STD-810G, Method 506.5 Procedure I
Dust (Blowing)[C]	MIL-STD-810G, Method 510.5 Procedure I
Humidity[C]	MIL-STD-810G, Method 507.5 Procedure II
Salt Fog[C]	MIL-STD-810G, Method 509.5
Safety Standard[D]	MIL-STD-1474D
EMC Standard[D]	FCC Part 15 Class A Radiated and Conducted Emissions

A) Using built-in alert tone
B) Ambient environmental conditions
C) Verified by independent third party test lab
D) Designed to meet stated specifications

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