HS-14

HyperSpike® Acoustic Hailing Device

Features

- 148 dB SPL peak acoustic output
- Long range: 1500 m
- Narrow acoustic beam: +/-12°
- Wide frequency range: 300 Hz - 8 kHz, 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

With the 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 up to 1500 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.

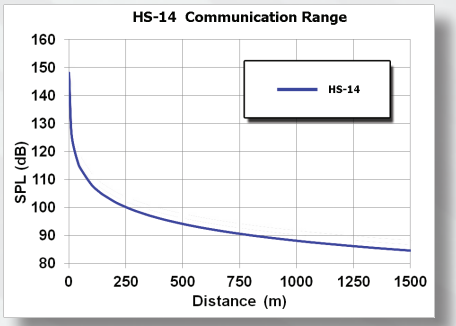
Applications

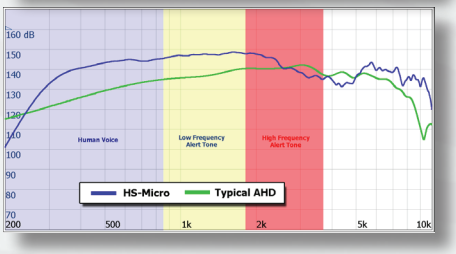
- Military Security
- Small Craft & Vehicles
- Perimeter Protection
- Law Enforcement
- Crowd Control
- Fire Services
- Wildlife Management
- Maritime
- Border & Port Protection

HYPERSPIKE
Sound that Moves

Ultra ELECTRONICS

HS-14 Specifications





Ordering Information

Model No.

90110A-1111-XX

Included with the HS-14

- (1) Record/Play Microphone
- (1) MP3 Player
- (1) Hearing Protection
- (1) HS Audio Optimizer Software
- (1) Saddle Bracket

Mission-Critical Accessories

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

Acoustic Specifications:

Sound Pressure Level, Peak[A]	148 dB @ 1 m (LL Peak Max)
Usable Range[B]	Up to 1500 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 × 16.5" Depth (37.3 cm Diameter × 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), Dessert Tan (02) or custom color

Power Requirements:

Power Input	10-34 Vdc
Power Consumption	425 W Average (Alert Tone) 750 W 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[D]	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 independant third party test lab
D) Designed to meet stated specifications

Ultra ELECTRONICS | HYPERSPIKE *Sound that Moves*

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