HyperSpike® Acoustic Hailing Device

Features

- World’s first +160 dB directed voice projection system
- Long range: 2000 m+ Narrow acoustic beam: +/-5°
- Wide frequency range: 225 Hz - 12 kHz, optimized for human voice
- STI 0.91 out of 1.0
- Pan & Tilt capability

HyperSpike® HS-40, the loudest Acoustic Hailing Device in production, is the ideal sound solution for communicating extremely long distances and penetrating high background noise environments.

With an acoustic footprint in excess of 2 km, clear, intelligible messages and authoritative commands are broadcast to intended targets. Determining intent and influencing behavior, the HS-40 can produce a warning tone of 135 dB at 100 meters!

Its breakthrough HyperSpike® technology enables the HS-40 to faithfully reproduce sound with less than 1% distortion across the entire wide frequency range. With a Speech Transmission Index (STI) of .91 (out of 1.0), the HS-40 produces clear and authoritative voice output at range.

The HS-40 is the clear choice for large scale ships and platforms and the longest range requirements. The HS-40 can also be used for long range animal dispersal, bird control and much more.

Applications

- Military Security
- Maritime & Port Security
- Perimeter Protection
- Law Enforcement
- Oil & Gas Platforms
- Airports & Runways
- Commercial Shipping
- Yacht & Cruise Line Security
- Bird and wildlife dispersal
- Large scale ships
- High value facilities
- Keep people, animals and birds out of high security locations

HyperSpike® products are available from Nixalite® of America Inc

www.nixalite.com
P 800.624.1189
F 800.624.1196
E sales@nixalite.com
HS-40 Specifications

**Acoustic Specifications:**
- Sound Pressure Level (SPL), peak: 160+ dB A-weighted @ 1 m
- Usable Range \(^A\): Exceeds 2000m (See Graph)
- Beam Width: +/-5° (10° conical @ 2 kHz)
- Frequency Response: 225 Hz - 12 kHz (See Graph)

**Power Requirements:**
- Power Input: 100-250 VAC, 50/60 Hz
- Current Draw, Typical: 5 amps, 110-120v
- Current Draw, Max.: 8 amps, 110-120v

**Physical Specifications**
- Dimensions - Emitter Head: 39.1" diameter x 15.9" depth
- Weight - Emitter Head: 190 lbs (68.03 kg) - w/o Accessories
- Housing Construction: Advanced Composites
- Housing Color: Tan (802) or Gray (801)

**Environmental:**
- Random Vibration: MIL-STD 810F, Method 514.4
- Shipboard Vibration: MIL-STD-167-1A
- Shipboard Shock: MIL-STD-910D, Class I
- SRS Shock: MIL-STD-810F, Method 516.5
- High Temperature Operation: MIL-STD-810F, Method 501.4
- Low Temperature Operation: MIL-STD-810F, Method 502.4
- Rain: MIL-STD-810F, Method 506.4
- Operating Humidity: MIL-STD-810F, Method 507.4
- Salt Fog: MIL-STD-810F, Method 509.4
- Safety Standard: MIL-STD-1474D
- EMC Standard: FCC Part 15 Class A Radiated & Conducted Emissions

**Ordering Information**
- Model No.: 90076A-801
- Included with the HS-40:
  - (1) Microphone
  - (1) MP3 Player
  - (1) Hearing Protection
  - (1) HS Audio Optimizer Software
  - (1) External Amplifier

**Mission-Critical Accessories**
- Ship Rail Clamp - p/n 92011A-6 (Stainless Steel)
- Remote Operations Controller
- Tripod
- Weather Cover
- Extended Speaker Cables

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"HS-40 Specifications" implies that the HyperSpike® HS-40 is a device designed for various applications, particularly maritime environments. The specifications highlight its acoustic capabilities, power requirements, and physical characteristics, ensuring it meets stringent environmental standards. The device is available from Nixalite® of America Inc, providing a range of accessories and mission-critical features to enhance its operational flexibility and effectiveness.