

MSH-01 Hydrophone

Hydrophone for Your Submarine Sonars

NATO Stock Number – NSN: 5825-27-057-0884

Producer Part No : TKM-7600-0001

Producer Description : SONAR HYDROPHONE MSH-01

MSH-01 Hydrophone is used as an wet-end sensor of AY/PREVEZE Class Submarine Cylindrical Hydrophone Array (CHA), which is wet-end of Passive Sonar and wet-end array groups of Passive Ranging Sonar (PRS) systems. Turkish Navy's spare parts requirements had been met with this hydrophone developed by Meteksan Defence.

Features

- Underwater Acoustic Passive Sensor
- Sonar & Underwater Acoustic System Hydrophone
- Omnidirectional, Broad Band Receive
- Designed for use on submarines
- The performance of MSH-01 is assured even at great depths in water up to 400 m.
- Receives signals in the frequency range from 1 Hz to 100 kHz. The specified data are valid in a frequency range from 100 Hz to 12 kHz.



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MSH-01 Hydrophone



Key Features



Submarine Passive
Sonar Sensor



Proven Design



Cost Effective



Broad Band Receive



Reliable



High Sensitivity

Technical Specifications

Receive Frequency Band	1 kHz-12 kHz
Receiving Voltage Sensitivity (RVS- dB//V/ μ Pa)	-199 \pm 3 dB
Horizontal Beam Patterns at 12 kHz and 100 kHz	Omnidirectional
Capacitance (nF @ 1 kHz 20 °C)	12 \pm 2
Operational Depth	Up to 400 meters
Operating Temperature	+2 °C to +35 °C
Storage Temperature	-40 °C to +70 °C

