Description and Features

The HD15 is a very small Acoustic Emission sensor that is built within a Hex 6-32 threaded standoff for easy mounting. Offering low frequency and high sensitivity AE response, it comes standard with an 8-inch integral cable and choice of BNC or SMA connector.

Applications

This miniature sensor is ideal for any application that requires a small, low frequency and threaded AE sensor mounting. It is especially useful where there is little room for sensor mounting.

Operating Specifications

**Dynamic**
- Peak Sensitivity, Ref V/µbar ................. -66 dB
- Operating Frequency Range ............. 130 - 530 kHz
- Resonant Freq. V/(m/s); [V/µbar] ........... 150 kHz
- Directionality........................................ N/A

**Environmental**
- Temperature Range ....................... -65 to 125°C
- Shock Limit .............................................. 500 g
- Completely shielded crystal for maximum RFI/EMI immunity

**Physical**
- Dimensions.....0.313” diameter x .375” body height ................. 0.18 thread height with 6-32 thread (8 x 9.5 mm, 4.5 mm thread height with 6-32 thread)
- Weight.......3 grams (6 grams with cable & connector)
- Case Material...................... Stainless Steel
- Connector.............. BNC, SMA on Integral Cable
- Connector Locations ....................... Top Exit Coax, .05” diameter and 8” long
- Seal .................................................. Epoxy

Ordering Information and Accessories

HD15 .................................................... HD15
Preamplifier ...................................... 0/2/4, 2/4/6
Preamp to System Cable (specify length in meters) ....1234 - X
Amplifier Subsystems ......................... AE2A or AE5A

Sensors include
- NIST Calibration Certificate & Warranty