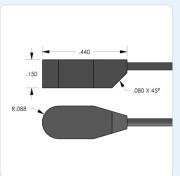


HD2WD Sensor

Very Wideband Frequency Miniature Sensor





DESCRIPTION AND FEATURES

The HD2WD miniature sensor has a very wideband and flat frequency response over the range of 250 – 1600 kHz. Its small size makes the sensor an ideal candidate for computer hard disk examination and other applications requiring a small, wideband AE sensor response. A small diameter, integral coax cable exits from the side of the sensor with a BNC connector on the end.

APPLICATIONS

Wideband sensors are typically used in research applications or other applications where a high fidelity AE response is required. In research applications, wideband AE sensors are useful where frequency analysis of the AE signal is needed and in helping determine the predominant frequency band of AE sources for noise discrimination and selection of a suitable lower cost, general purpose AE sensor. Due to its extremely small size, this sensor is ideal for applications such as hard disk monitoring, where small size and low mass sensors are required.

PRODUCT DATA SHEET

OPERATING SPECIFICATIONS

 Dynamic

 Peak Sensitivity, Ref V/µbar
 -70 dB

 Operating Frequency Range
 330-1850 kHz

 Resonant Frequency
 N/A

 Directionality
 N/A

 Environmental
 Temperature Range
 -65 to 125°C

 Shock Limit
 500 g

 Completely enclosed crystal for RFI/EMI immunity
 Physical

 Dimensions
 0.175"OD X 0.14"H X 0.44" L

 4.44 mm OD X 2.4 mm H X 11.17 mm L
 Weight

 Weight
 Aluminum Alloy

 Face Material
 Aluminum Alloy

ORDERING INFORMATION AND ACCESSORIES

HD2WDHD2WD
Cable (specify length in '-XX' m at end of PN) 1 m
Pre-amplifier
Preamp to System Cable (specify length in 'm') 1234 - X
Amplifier Subsystems AE2A, AE5A

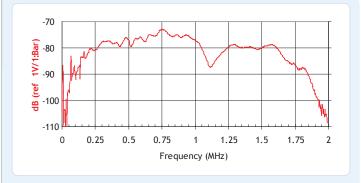
Connector......BNC on integral cable

Seal......Epoxy

Sensor to Preamp Cable Integral 24"

Sensors include

NIST Calibration Certificate & Warranty





195 Clarksville Rd •
Princeton Jct, NJ 08550 • USA
T: +1.609.716.4000 • F: +1.609.716.0706
E-MAIL: sales.systems@mistrasgroup.com

CANADA CHINA FRANCE GERMANY GREECE T: +1.403.556.1350 T: +86.10.5877.3631 T: +331.498.26040

T: +49.040 2000.4025 T: +30.210.2846.801-4 HOLLAND T: +31.010.245.0325 INDIA T: +91.22.2586.2444 JAPAN T: +81.33.498.3570

MALAYSIA T: +60.9.517.3788 MIDDLE EAST T: +973.17.729.356 RUSSIA SCANDINAVIA S. AMERICA UK

T: +7495.789.4549 T: +46(0)31.252040 T: +55.11.3082.5111 T: +44(0)1954.231.612