



SHBD

- Static Magnetic B-Field Sensor Head
- Isotropic
- DC
- >70dB dynamic range

Features

The SHBD B-field sensor head is based on a set of three orthogonally arranged Hall sensors. The three voltages which correspond to the spatial components are individually available at the sensor head output. An SM-series meter (required for use of this sensor head) calculates the resulting isotropic field strength.



The characteristics of this sensor head comply with the requirements for instruments measuring human exposure to magnetic fields as required by law in both public and professional environments.

This sensor head detects magnetic fields and reports cases where there are changes in the components of the magnetic field. This sensor head is ideal for use in applications in areas such as magnetic resonance, electrolysis, shielding verification and geomagnetism.

Typical Applications

- MRI-Magnetic Resonance Imaging
- Electrolysis
- Geomagnetism
- Shielding Verification

Specifications

Frequency Range: DC

Measurement Range: 1 μ T–4 mT

Dynamic Range: >70 dB

Sensor Type: Hall sensors

Directivity: Isotropic

Accuracy:

Linearity: ± 0.5 dB (100 μ T – 4 mT)

Isotropic Response: ± 0.5 dB

Operation Temperature: 0°C–40°C

Size: 278 x 16 mm, 10.95 x 0.63 in

Weight: 63g, 2.23oz

Export Classification: EAR99

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