



## Safety Products

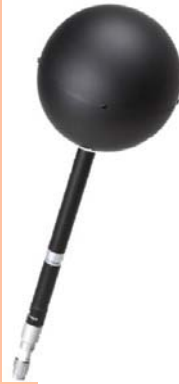
### SHB5H400KA

- Magnetic B-Field Sensor Head
- Isotropic
- 5Hz-400kHz
- >94dB dynamic range
- Sensitivity 300 nT

### Features

The SHB5H400KA B-field sensor head is based on a set of three mutually orthogonal coils. The three voltages which correspond to the spatial components are available individually 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 from 5 Hz to 400 kHz which typically occur in ISM and Industry environments.



The sensor head is supplied with factory calibration. This model is also available in an M1-version which includes an accredited 17025-compliant calibration.

### Typical Applications

- CEI EN 62233: Measurement methods for electromagnetic fields of households and similar apparatus with regard to human exposure.

### Specifications

**Frequency Range:** 5 Hz–400 kHz

**Type of Frequency Response:** Flat

**Measurement Range:** 300 nT–16 mT

**Dynamic Range:** >94 dB

**Sensor Type:** Coils

**Directivity:** Isotropic

#### Accuracy:

**Flatness Frequency Response:**

±0.5 dB (50 Hz–50 kHz) @ 30μT

±1 dB (50 kHz–400 kHz) @ 30μT

**Linearity:** ±0.5 dB (1 μT–1 mT)

**Isotropic Response:** ±0.5 dB

**Operation Temperature:** 0°C–50°C

**Size:** 365 x 120 mm, 14.37 x 4.73 in

**Weight:** 135 g, 4.77 oz

**Export Classification:** EAR99

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