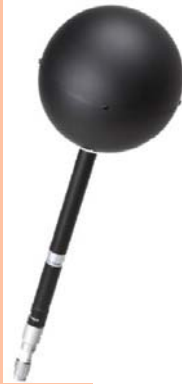




Safety Products

SHH300K30M

- Magnetic H-Field Sensor Head
- Isotropic
- 300kHz–30MHz
- 60dB dynamic range
- Sensitivity >0.016 A/m



Features

The SHH300K30M H-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.

This sensor head detects magnetic fields from 300 kHz to 30 MHz covering those fields which typically occur in Industrial and Medical environments (ISM). 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.

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

- Plastic Welding Systems, RF heating, tempering and drying equipment.
- Diathermy equipment and medical devices, RF generating, NMR machines.
- Sensitive sites (hospitals)
- Broadcasting and Telecom services

Specifications

Frequency Range: 300 kHz–30 MHz

Type of Frequency Response: Flat

Measurement Range: 0.016–16 A/m

Dynamic Range: 60 dB

Sensor Type: Coils

Directivity: Isotropic

Accuracy:

Flatness Frequency Response: ± 1.5 dB (0.5 MHz–30 MHz)

Linearity: ± 0.5 dB (0.016–16 A/m)

Isotropic Response (@ 20 MHz): ± 0.5 dB

Operation Temperature: 0°C–50°C

Size: 365 x 120 mm, 14.4 x 4.7 in

Weight: 120 g, 4.25 oz

Export Classification: EAR99

AR RF/Microwave
Instrumentation
160 School House Rd
Souderton, PA 18964
215-723-8181

For an applications engineer call: 800.933.8181

www.arworld.us

To order AR Products, call 215.723.8181. For an applications engineer call: 800.933.8181. Direct to Service call: 215.723.0275 or email: service@arworld.us For Faxing Orders: 866.859.0582 (Orders Only Please) info@arworld.us

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