

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 M1version which includes an accredited 17025compliant 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

Flatness Frequency Response: ±1.5 dB (0.5 MHz-

30 MHz)

Accuracy:

Linearity: $\pm 0.5 \text{ dB} (0.016 - 16 \text{ A/m})$ 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**

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