



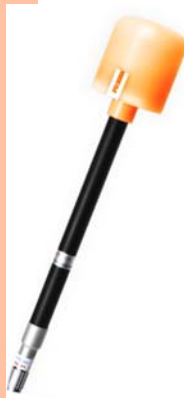
Safety Products

SHE400K40M

- Electric E-Field Sensor Head
- Isotropic
- 400kHz–40MHz
- 52dB dynamic range
- Sensitivity 2 V/m

Features

The SHE400K40M E-field sensor head is based on a set of three mutually orthogonal diode dipoles. 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 high dynamic range of the sensor head together with its bandwidth allow it to perform measurements and satisfy the current requirements regarding restrictions of human exposure to electric fields in both public and professional environments. This sensor head detects electric fields in the 400 kHz to 40 MHz range which typically occur in ISM and industry.

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

- Radio Links
- Broadcasting
- Industrial ovens, welding systems

Specifications

Frequency Range: 400 kHz–40 MHz

Type of Frequency Response: Flat

Measurement Range: 2–800 V/m CW

Dynamic Range: 52 dB

Sensor Type: Diode Dipoles

Directivity: Isotropic

Accuracy:

Flatness Frequency Response: $< \pm 1$ dB (500 kHz–40 MHz)

Linearity: ± 0.5 dB (2–800 V/m)

Isotropic Response (@ 20 MHz): ± 0.4 dB

Operation Temperature: 0°C–50°C

Size: 327 x 60 mm, 12.88 x 2.4 in

Weight: 120 g, 4.25 oz

Export Classification: EAR99

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