

ELECTRIC FIELD METER:

Model Type: K-TEs-92

FEATURES:

- 50 MHz to 3.5 GHz Frequency Range
- Isotropic Measurement of Electromagnetic fields.
- Non-directional (isotropic) measurement with three channel measurement Probe.
- Highly dynamic Range due to three Channel digital result processing.
- Configurable alarm threshold and memory function.
- Easy to use.

APPLICATIONS:

- High Frequency (RF) Electromagnetic wave Field Strength Measurement.
- Mobile Phone base station antenna radiation Power Density Measurement.
- Wireless Communication applications (CW, TDMA, GSM, DECT)
- Wireless LAN (Wi-Fi) detecting, installation.
- Spy camera, wireless bug finding.
- Cellular / cordless phone radiation safety level.
- Microwave oven leakage detection.
- Personal living environment EMF safety.
- RF Power measurement for transmitters.



ELECTRICAL SPECIFICATIONS:

Sensor Type	: Electric Field (E)
Frequency Range	: 50 MHz to 3.5 GHz
Measurement Range (CW signal > 50 MHz)	: 20 mV/m to 108 V/m
Absolute Error @ 1 V/m and 50 MHz	: ± 1 dB
Frequency Response (Taking into account typ. CAL factor)	: ± 1 dB (50 MHz to 1.9 GHz), ± 2.4 dB (1.9 GHz to 35 GHz)
Isotropy deviation	: Type. ± 1 dB @ F > 50 MHz
Overload Limit	: 4.2 W/m^2 (40 V/m)
Temp. Response (0 to 50 ⁰ C)	: ± 1.5 dB
Note	: Unless otherwise stated, all specifications hold under the following assumptions: Sinusoidal signal; device in far-field of source; probe head pointing toward source; ambient temp. 23 ⁰ C relative air humidity 25% to 75%

GENERAL SPECIFICATIONS:

Measurement Method	: Digital; triaxial measurement
Directional Characteristics	: Isotropic, triaxial
Measurement Range Selection	: One continuous Range
Display Resolution	: 0.1 mV/m, 0.1 $\mu\text{A/m}$, 0.1 $\mu\text{W/m}^2$, 0.001 $\mu\text{W/cm}^2$
Setting Time	: Typically 1 Sec.(0 to 90% of measuring value)
Display refresh rate	: Typically 400 mS
Display Type	: LCD 4 Digit
Audible Alarm	: Buzzer
Measurement Unit	: mV/m, V/m, $\mu\text{A/m}$, $\mu\text{W/m}^2$, mW/m^2 , $\mu\text{W/cm}^2$
Measurement Display Value	: Instantaneous measured value, maximum value or average value since power on.
Measurement Alarm function	: Adjustable threshold with ON / OFF
Measurement Calibration factor CAL	: Adjustable
Manual data memory & read	: 99 sets (only recall by meter)
Battery	: 9 V
Battery life	: > 15 Hours
Accessories	: 9 V Battery, carrying case & manual.