

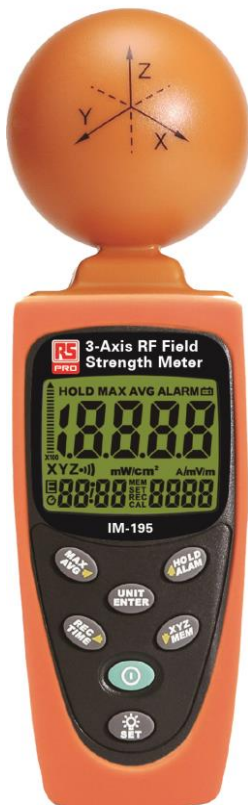


ENGLISH

Datasheet

Stock No. 106-5307

## RS THREE AXIS RF FIELD STRENGTH METER



### Feature:

- The auto-ranging units of measurement and the measurement types have been selected to expressed in units of electrical and magnetic field strength and power density.
- Non-directional (isotropic) measurement with three-axis measurement sensor.
- Selectable display functions of the instantaneous value, the maximum value measured or the average value.
- Configurable alarm threshold function.
- This meter is capable of recording 200 measurements.
- Low battery and over load indications
- Zero adjustment.
- Sampling Rate: 2.5 times per second.

## Specifications:

- Display: LCD display with maximum reading of 3999.
- Sampling Rate: 2.5 times per second.
- Sensor: Triple axis.
- Frequency Range: 50MHz to 3.5GHz.
- Accuracy:  $\pm 1$  dB at 2.45GHz.
- Measurement Units: mV/m, V/m,  $\mu$ A/m or mA/m,  $\mu$ W/m<sup>2</sup>, mW/m<sup>2</sup>,  $\mu$ W/cm<sup>2</sup>.
- Specified measurement range:
  1. CW signal (f >50MHz): 38mV/m to 11.00 V/m, 53.0uA/m ~ 29.28mA/m, 0.01uW/m<sup>2</sup> ~323.3mW/m<sup>2</sup>, 0.001uW/cm<sup>2</sup> ~32.3uW/cm<sup>2</sup>
  2. Dynamic range: Typically 75dB.
  3. Absolute error at 1V/m and 2.45GHz:  $\pm 1.0$  dB.
- Frequency response:
  1. Sensor taking into account the typical CAL factor:
    - $\pm 2.4$ dB (50 MHz to 1.9 GHz).
    - $\pm 1.0$  dB (1.9 GHz to 3.5GHz).
  2. Isotropy deviation: Typically  $\pm 1.0$  dB (2.45GHz).
  3. Overload limit: 32.33uW/cm<sup>2</sup> (11 V/m) per axis.
  4. Overload limit (0 to 50°C):  $\pm 0.2$ dB.
- Power Supply: 9V NEDA 1604, IEC 6F22, JIS 006 P. battery x 1pc.
- Battery life: About 15 hours
- Dimension: 55mm x 38mmx 195mm (LxWXH)
- Weight: Approx. 200g with battery installed
- Accessories: Manual, 9V battery and carrying bag.