

Safety Instructions

Danger

- For worker's safety, be aware that persons with electromagnetic implant (e.g. cardiac-pacemaker) are subject to especial danger in some case.
- Particular to observe the local safety regulations of the operator of the equipment.
- Before using the device, it need to know that how to setting "alarm-limit" value.

Attention

- Claims by some scientists that long term exposure to electromagnetic field may be the cause of childhood leukemia & other forms of cancer.
- Complete answers to any of these and related questions are not currently available. At the present time the most common practice is to avoid excess exposure over long period of time.
- Complete answers to any of these and related "Prudent Avoidance" as stated by the Environmental Protection Agency(EPA) USA is recommended.
- According to ICNIRP of reference levels to time-varying electromagnetic fields, The E-field strength levels are:

General public

Frequency range	e-field strength (V/m)
10 to 400 MHz	28
400 to 2000 MHz	$1.375 \times f^{1/2}$
2 to 300 GHz	61

Occupational

Frequency range	e-field strength (V/m)
10 to 400 MHz	61
400 to 2000 MHz	$3 \times f^{1/2}$
2 to 300 GHz	137



TM-92

TM-92, Radiation Monitor

TM-92 is easy to use for personal use in homes and offices, and can detect objects that have been polluted by beta or gamma active radioactive nuclides.

The TM-92 Radiation Monitor is a survey meter measuring the beta, gamma and x-ray radiation. It is useful in monitoring the environment, home safety, nuclear, medical, mining and metal industries. It is also ideal for border control, customs and cargo inspections.

The values in μ Sv/h, μ Rem/h or mRemh are displayed on LCD screen

Features:

- Built-in a GM tube.
- Quick response to the radiation strength of Beta and Gamma ray.
- Auto Ranging.
- Alarm Settings
- Automatic detection, easy setting.
- Low battery indication.
- Bright LCD display for night or day operation.
- A beeper chirps with each radiation count.
- Audio alarm set function.
- Display units in μ Sv/h, μ Rem/h and mRem/h.

Model	TM-92
Display	3 1/2 digit LCD
Display Range	0.1 μ Sv/h ~199.9 μ Sv/h 0.01 mRem/h~19.99 mRem/h
Resolution	0.1 μ Sv/h 0.01 mRem/h
Test Radiation	Beta(B) & Gamma(y) ray
Energy dependency	0.1 to 1.25 Mev
Accuracy	$\pm 15\%$ of reading
Operation Environment	0°C~50°C ; below 80% RH
Storage Environment	-20°C~60°C ; below 75% RH
Battery Type	006P 9V
Battery Life	about 50 hour
Dimension	143 x74 x34mm
Weight	220g