

INSTRUCTION MANUAL

31860-TE EMF Tester LZT-6200



- 1: LCD DISPLAY
- 2: POWER BUTTON
- 3: DATA HOLD BUTTON
- 4: WARNING LED
- 5: MAX HOLD BUTTON
- 6 BATTERY COMPARTMENT (on Back)
- 7: DETECTOR

PRODUCT OVERVIEW

LZT-6200 Microwave Radiation Detector is a new generation of electromagnetic radiation measurement instruments Designed for measuring the electromagnetic radiation level of high frequency equipment. Performance is more consistent, with very high sensitivity and accurate measurements as low as $0.1 \mu\text{W}/\text{cm}^2$. Help users fully understand the level of the high-frequency electromagnetic radiation in the environment around them thus allowing for health considerations.

FEATURES

- Simple operation, convenient measurement.
- Exceptional Value for money, easy to carry.
- Targeted measurement, high precision and high sensitivity.
- Well designed, professional appearance.
- Designed to comply with CE quality requirements.

APPLICATIONS

1: Outdoor environmental electromagnetic radiation testing applications: Communication control centers (Police, Fire etc. base stations), cell phone sites, Satellite Ground stations, television & radio transmitter rooms & towers, Portable manufacturing/health care operations using HF Power sources.

2: Indoor environment electromagnetic radiation testing applications: Cell & Cordless phones, Wireless routers, microwave ovens, any high frequency electromagnetic radiation sources, manufacturing/health care operations using HF Power sources.

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TECHNICAL SPECIFICATIONS

Size: 132mm (l) x69mm (w) x31mm (d)

Weight: 140 g

Display: 3-1/2-digit .38" LCD

Accuracy: 0.1 $\mu\text{W}/\text{cm}^2$

Range: 0.1 $\mu\text{W}/\text{cm}^2$ -199.9 $\mu\text{W}/\text{cm}^2$

Alarm threshold: 20.0 $\mu\text{W}/\text{cm}^2$

Bandwidth: 50MHz-3700MHz

Sampling time: 0.3 seconds

Sensor head: single-axis (top of the instrument)

Overload: LCD displays "OL"

Operating Temperature:-15°C to+60°C

Operating Humidity: relative humidity <80%

Operating Voltage: 9V (6F22 9V battery)

OPERATION

1: Press the "POWER" switch, the display should show zeros but may not as there may be a EMF field in your location. The instrument will display the strongest source in the Immediate area . The Built in sensor is located in the top of the unit. Moving the unit about can minimize some interference.


***Note:** because of the environment and possible electromagnetic interference, the instrument can have non zero reading, the instrument is not faulty.

2: While holding the instrument, move closer to the suspected source(s) of the electromagnetic radiation. The unit will display the actual values of radiation from the equipment unless the value is less than the minimum machine reading of 0.1 $\mu\text{W}/\text{cm}^2$.

***Note:** In high Voltage or Power locations, Pay close attention to distance for exposure and safety.

3: "Data Hold" button is pressed, the top of the screen, above the numeric reading, displays "H" and the displayed value is locked. Press "Data Hold" button again to resume testing.

4: "Max Hold" button is pressed, the top of the screen above the numeric reading, shows "MAX". The instrument will display a value that will only change when a higher peak is sensed. This function is used to detect maximum field location in a specific environmental area.

5: Low Battery symbol () will appear at the top left of the display when the battery runs low. Please replace the battery.

RESOURCES

The radiation protection regulations (GB8702-88)

Environmental impact assessment methods and criteria of electromagnetic radiation (HJ/T10.3-1996)

RECOMENEDDED:

Note: The following information is for user's reference only, and does not have the force of law.

Professional environmental radiation exposure limit of less than 50 $\mu\text{W}/\text{cm}^2$ for 8 consecutive hours of daily.

General Public environmental exposure to electromagnetic radiation of less than 40 $\mu\text{W}/\text{cm}^2$