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NOTICE BEFORE OPERATION

1. Unpack the instrument :

After receipt of the instrument, immediately unpack and inspect it for any shipping damage or missing accessories. If any sign of damage or missing accessories are found, immediately notify the dealer.

2. Environmental :

These instruments are designed for "Indoor Use" only. Normally, operational temperature of these instruments is 10°C to 40°C (50°F to 104°F). Operation outside of this temperature range may cause damage to the circuits.

Do not use these instruments in a place where strong magnetic or electric fields exist. Such fields may adversely effect your measurements.

3. Check the Line Voltage :

These instruments can operate on any one of the line voltages shown in the below table by inserting the line voltage selector plug in the corresponding position on the rear panel.

Before connection the power plug to an AC line outlet, be sure to check that the voltage selector plug is set in the position corresponding to the desired line voltage.

!!! CAUTION : The instrument may not operate properly or may be damaged if it is connected to a wrong AC line voltage. Whenever line voltages are changed, fuses must also be replaced.

SELECTOR	LINE VOLTAGE	FUSE
115V	100~125V 50/60Hz	1A
230V	220~240V 50/60Hz	0.8A

● Suggestions for successful instrument operation :

1. Never place heavy objects on the instrument.
2. Never place a hot soldering iron on or near the instrument.
3. Never insert wires, pins, or other metal objects into the ventilation fan.
4. Never move or pull the instrument with the power cord or a probe cord. Never move instrument when the power cord or a signal probe is connected to a circuit.
5. If the instrument is used in a manner not specified by the manufacturer then protection mechanisms built into the instrument may not function properly.

!!! WARNING : The following precautions must be observed to help prevent electric shock :

1. When the instrument is used to make measurements where high voltages are present, there is always a certain amount of danger from electrical shock. The person using the instrument in such condition should be a qualified electronics technician or otherwise trained and qualified to work in such circumstances.
2. Do not operate the instrument with the cover removed unless you are a qualified service technician.
3. The ground wire of the 3-wire AC power plug places the chassis and housing of the instrument at earth ground. Use only a 3-wire outlet, and do not attempt to defeat the ground wire connection or float the instrument, since doing so may pose a great safety hazard.

4. Do not obstruct the ventilation holes in the rear panel, as this will increase the internal temperature.
5. Never apply external voltage to the output BNC of the instrument.
6. Excessive voltage applied to the input BNC may damage the instrument.

II. MAINTANCE

GENERAL MAINTANCE

Preventive Maintance -Clean and recalibrate the INSTRUMENT on a regular basis to keep the instrument looking nice and working well.

Cleaning -Remove any dirt, dust and grime whenever they become noticable. You can remove dirt from the outside covers with a soft cloth moistened with a mild cleaning solution.

Servicing -If the instrument ever becomes inoperative or damaged, refer servicing to a qualified repair facility.

FUSE REPLACEMENT

If the fuse blows, the "ON" indicator will not light and the instrument will not operate. Replace only with the correct value fuse. For 110/125V line vlotage operation, use an 1.0 A,-250V fuse. For 220/240V line voltage operation, use a 800mA, 250V fuse. The fuse is located on the rear panel adjacent to the power cord receptacle.

Remove the fuseholder assembly as follows:

1. Unplug the power cord from rear of scope.
2. Insert a small screwdriver in fuseholder selt (located between fuseholder and receptacle). Pry fuseholder away from receptacle.
3. When reinstallmg fuseholder, be sure that the fuse is installed so that the correct line voltage is selected (see LINE VOLTAGE SELECTION).