

## 1. Safety Precautions

This product complies with the requirements of the following European Community Directives: 2004/108/EG (Electromagnetic Compatibility) and 2006/95/EG (Low Voltage) as amended by 2004/22/EG (CE-Marking). Overvoltage category II; pollution degree 2.

To ensure safe operation of the equipment and eliminate the danger of serious injury due to short-circuits (arcing), the following safety precautions must be observed. Damages resulting from failure to observe these safety precautions are exempt from any legal claims whatever.

- \* Do not use this instrument for high-energy industrial installation measurement.
- \* Do not place the equipment on damp or wet surfaces.
- \* Do not exceed the maximum permissible input ratings (danger of serious injury and/or destruction of the equipment).
- \* The meter is designed to withstand the stated max voltages. If it is not possible to exclude without that impulses, transients, disturbance or for other reasons, these voltages are exceeded a suitable presale (10:1) must be used.
- \* Disconnect test leads or probe from the measuring circuit before switching modes or functions.
- \* Check test leads and probes for faulty insulation or bare wires before connection to the equipment.
- \* To avoid electric shock, do not operate this product in wet or damp conditions.
- \* Conduct measuring works only in dry clothing and rubber shoes, i. e. on isolating mats.
- \* Never touch the tips of the test leads or probe.
- \* Comply with the warning labels and other info on the equipment.
- \* The measurement instrument is not to be operated unattended.
- \* Do not subject the equipment to direct sunlight or extreme temperatures, humidity or dampness.
- \* Do not subject the equipment to shocks or strong vibrations.
- \* Do not operate the equipment near strong magnetic fields (motors, transformers etc.).
- \* Keep hot soldering irons or guns away from the equipment.
- \* Allow the equipment to stabilize at room temperature before taking up measurement (important for exact measurements).
- \* Do not input values over the maximum range of each measurement to avoid damages of the instrument.
- \* Periodically wipe the cabinet with a damp cloth and mild detergent. Do not use abrasives or solvents.
- \* The meter is suitable for indoor use only
- \* **Warning:**  
To avoid fire or electrical shock, when the oscilloscope input signal connected is more than 42V peak (30Vrms) or on circuits of more than 4800VA, please take note of below items:
  - Only use accessory insulated voltage probes and test lead.
  - Check the accessories such as probe before use and replace it if there are any damages.
  - Remove probes, test leads and other accessories immediately after use.
  - Remove USB cable which connects oscilloscope and computer.
  - Do not apply input voltages above the rating of the instrument because the probe tip voltage will directly transmit to the oscilloscope. Use with caution when the probe is set as 1:1.
  - Do not use exposed metal BNC or banana plug connectors.
  - Do not insert metal objects into connectors.