

## **1. Safety Precautions**

This product complies with the requirements of the following directives of the European Union for CE conformity: 2014/30/EU (electromagnetic compatibility), 2014/35/EU (low voltage), 2011/65/EU (RoHS).

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.

### **General:**

- Read these operating instructions carefully and make them available to subsequent users.
- It is essential to observe the warning notices on the device, do not cover or remove them.
- Pay attention to the use of the device and only use it in the suitable overvoltage category.
- Familiarize yourself with the functions of the measuring device and its accessories before you carry out the first measurement.
- Do not operate the measuring device unsupervised or only protected against unauthorized access.
- Use the device only for the purpose of its determination and pay particular attention to warning notices on the device and information on the maximum input values.

### **Electric safety:**

- Voltages over 25 VAC or 60 VDC are generally considered dangerous voltages.
- Only work on dangerous voltages by or under the supervision of qualified personnel.
- When working on dangerous voltages, wear suitable protective equipment and observe the relevant safety rules.
- Do not exceed the maximum permissible input values under any circumstances (risk of serious injury and / or destruction of the device)
- Remove the test probes from the measurement object before changing the measuring function.
- Never touch the bare test probes during the measurement, only hold the test leads by the handle behind the finger guard. If applicable, discharge any capacitors before measuring the circuit to be measured.
- Please note the different properties of the various interfaces and connections with regard to galvanic isolation.

### **Measurement environment:**

- Avoid any proximity to explosive and flammable substances, gases and dust. An electric spark could lead to an explosion or deflagration - danger to life!
- Do not carry out measurements in corrosive environments, the device could be damaged or contact points inside and outside the device could corrode.
- Avoid working in environments with high interference frequencies, high-energy circuits or strong magnetic fields, as these can negatively affect the device.
- Avoid storage and use in extremely cold, humid or hot environments, as well as long-term exposure to direct sunlight.