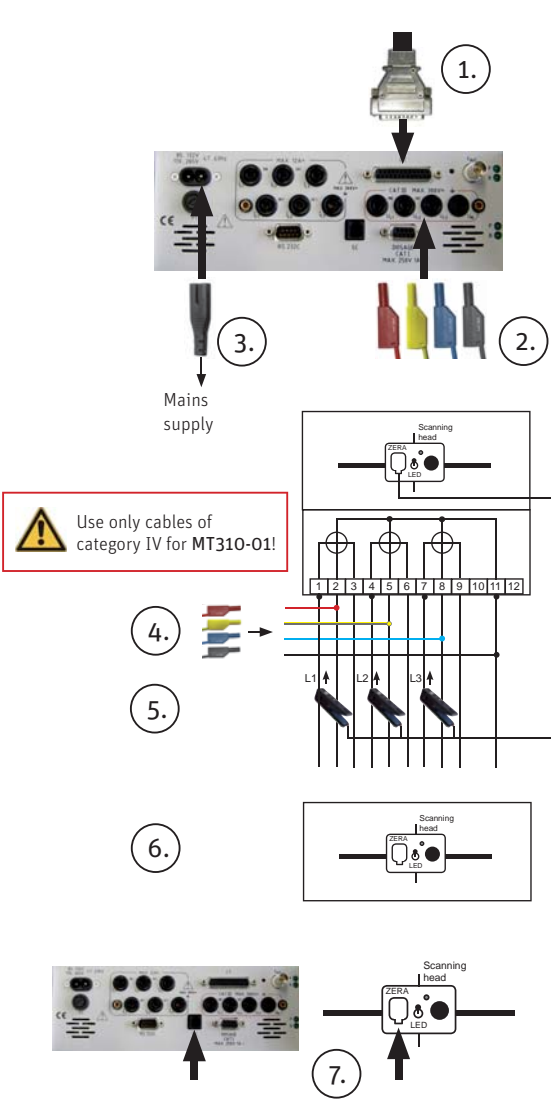


## How to connect the MT3x0 to the test circuit and electricity meter. How to use AC-current clamps safely.

- ⚠ Mains supply should always be connected properly and never disconnected when the device is linked to the test circuit.
- First connect the neutral cable and afterwards other voltage cables. Connect all cables properly.
- First connect the socket to the instrument and afterwards to the current carrying conductor (cable)/circuit.
- Take always care of safety against electrical shock.
- The operator should read the manual and be well-known with equipment and detail safety instructions.

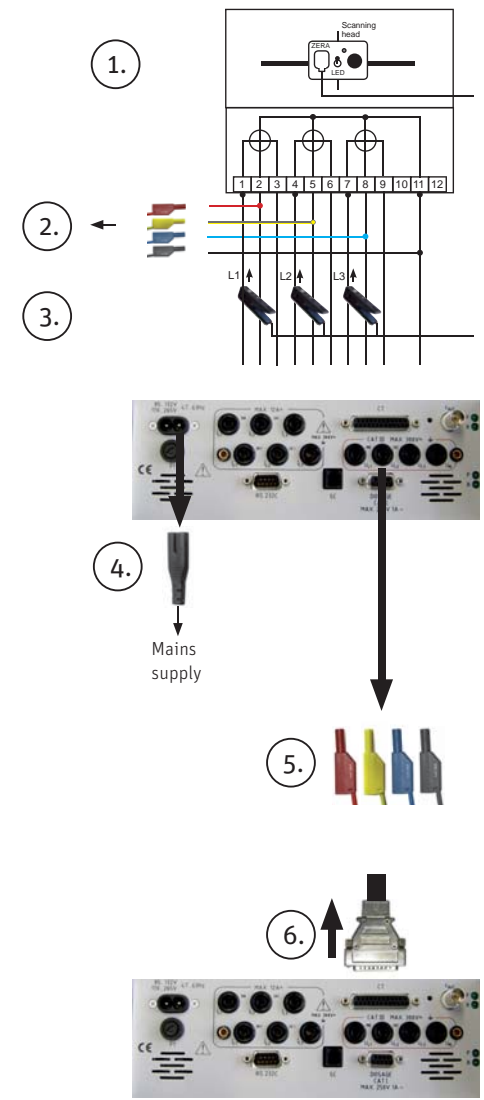
1. Connect the socket of the current clamps to the MT3x0. **Not to the test circuit!**
2. Connect the test voltage circuit to the  $U_N$ ,  $U_1$ ,  $U_2^*$  and  $U_3^*$  of the MT3x0. **Not to the test circuit!**
3. Connect the mains power supply of the MT3x0. **First to the mains, afterwards to the MT3x0!**
4. Connect the voltage cable to the meter under test.
5. Connect the AC-current clamps to the current circuit. Ensure the correct current flow direction and tight connection of the jaws.
6. Mount the scanning head on the meter under test. First connect the scanning head cable to the MT3x0 and then to the scanning head.
7. **\* in case of three phase network**



## How to disconnect the MT3x0 from the test circuit and electricity meter. How to use AC-current clamps safely.

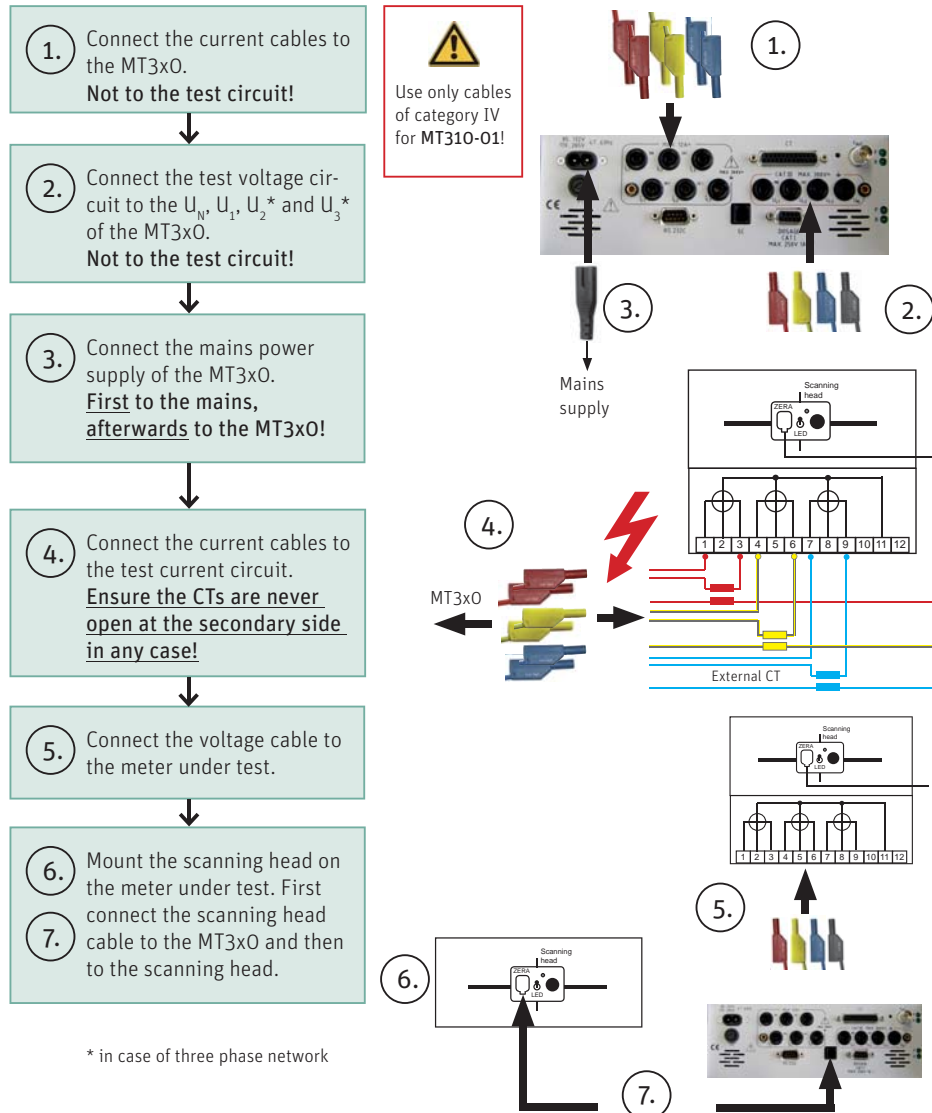
- ⚠ Disconnect the device from the mains after removal of test voltage and clamps from the test circuit.
- First remove the phase voltage cables and afterwards the neutral cable.
- First remove the AC-current clamps from the test circuit and afterwards the socket from the device.
- Take always care of safety against electrical shock.
- The operator should read the manual and be well-known with equipment and detail safety instructions.
- All accessories should be packed properly to avoid mechanical damages.

1. Remove the scanning head from the meter under test and disconnect the scanning head cable from the MT3x0.
2. Remove the test voltage cables  $U_1$ ,  $U_2^*$ ,  $U_3^*$  and  $U_N$  from the meter under test. **Not from the MT3x0!**
3. Remove the AC-current clamps from the current circuit. **Not from the MT3x0!**
4. Remove the mains power supply cable from the MT3x0. **First from the MT3x0, afterwards from the mains!**
5. Remove the test voltage cables  $U_1$ ,  $U_2^*$ ,  $U_3^*$  and  $U_N$  from the MT3x0.
6. Remove the AC-current clamp plug from the MT3x0.
6. **\* in case of three phase network**



## How to connect the MT3x0 to the test circuit and electricity meter. How to use „Direct mode“ safely.

- ⚠ Do not disconnect mains supply from the device while connected to the test circuit.
- ⚠ **Never** open the secondary side of the external CT while making current connection. CT secondary open will cause high voltage, damage to equipment and danger of life of the operator.
- First connect the neutral cable afterwards other voltage cables. Connect all cables properly.
- Take always care of safety against electrical shock and properties of CT/VT.
- The operator should read the manual and be well-known with equipment and detail safety instructions.



## How to disconnect the MT3x0 to the test circuit and electricity meter. How to use „Direct mode“ safely.

- ⚠ Ensure that the secondary side of the external CT is not open while removing the current connection. CT secondary open will cause high voltage, damage to the equipment and danger of life of the operator.
- Disconnect the device from power supply after removal of test voltage and clamps from test circuit.
- First remove the phase voltage cables afterwards the neutral cable.
- Take always care of safety against electrical shock and properties of CT/VT.
- The operator should read the manual and be well-known with equipment and detail safety instructions.
- All accessories should be packed properly to avoid mechanical damages.

