

The tester **AMVT xx** is determined for the AC voltage tests of single-phase or three-phase meters in serial production, but also for individual meter insulation tests in accordance with the standards IEC 62052-11, IEC 62053-21, -22, -23 for electricity meters of protection class I and II.

The tester is composed of two main parts:

**Test Voltage Source** of 4 kV event. 4 kV of sinusoidal form, with the industrial frequency of 50 Hz, with built-in timer for test periods up to 1 min. In a case of occurrence of flashover, disruptive discharge or puncture the source generates acoustic signal and the source is switched-off automatically.

**Test Rack** is located in the protection box for automatic testing of 1 to 4 units of single-phase or three-phase electricity meters. The meters are connected through quick-connection mechanism. In a case of occurrence of flashover, disruptive discharge or puncture of the meter insulation the checking light is illuminated in the relevant position.

The tester permits to perform automatic tests in particular meter circuits with test AC voltage values 2 kV or 4 kV.

Universality of equipment for various meter types reference to their terminal blocks is obtainable only on condition, that for each different meters a particular test terminal blocks assembly is applied.



**AC Voltage Tester AMVT 34**



**AC Voltage Tester AMVT 14 in technological process**

**Technical data**

<b>Class</b>	1
<b>Supply</b>	220 V, 230 V
<b>Frequency range</b>	45 ... 65 Hz
<b>Output power</b>	4 x 500 VA
<b>Maximum consumption</b>	2 kVA
<b>Output voltage</b>	2 kV, 4 kV
<b>Timer</b>	setting 10, 60 sec
<b>Range of output voltage setting</b>	0 - 4300 V
<b>Protection</b>	short circuit
<b>Dimensions</b>	1040 x 550 x 450 mm
<b>Weight</b>	80 kg
<b>Number of testing positions</b>	1...4

*NOTE: Number of testing positions can be modified according to a client wish.*

**Available types**

Type	Number of phases	Number of testing positions
<b>AMVT 14</b>	1	4
<b>AMVT 34</b>	3	4