



Features:

- ❑ Typical accuracy 0.01%
- ❑ Easy assembly
- ❑ Direct work with all types of meters
- ❑ High output power
- ❑ Resistance to non-linear loads
- ❑ Integration with the system

The VTS Voltage Separating Transformer was designed keeping in mind alternating current measurement systems requiring galvanic separation of the measuring circuits. The built-in electronic compensation system guarantees excellent parameters in the whole voltage range, ensuring at the same time high output power. Typical error 0.01% makes the device an ideal solution for a wide range of applications. Among them there is a possibility of using the transformer for testing electricity meters with closed I-P links i.e. meters with connected current and potential circuits. Broad range of working voltages, high output power and

high accuracy enable the VTS transformer to be rigidly integrated with a meter testing system. Once integrated, it can handle all kinds of meters, also meters with open links, with negligible influence on the overall system accuracy.

Special attention deserves the fact that this device, unlike the passive transformers, excellently copes with non-linear loads, which typical modern electronic meters are, not deteriorating its accuracy.

This device is purposed for testing single-phase meters.

Operating range	
Rated voltage	110V, 220V, 230V, 240V or to individual order
Voltage range	±20 %
Ratio	1:1
Frequency range	45 ÷ 65 Hz
Output power	25 VA
Peak output current	108 mA at 230V
Input burden	< 2VA
Accuracy	
Typical ratio error	0.01%
Typical error of the phase shift	0.2°
Maximum total error	0.05%
Functionality	
Power ok/ready	green LED / yellow LED
Error and/or activation of the short-circuit protection.	red LED + audible signal
Protection and safeguards	
The short-circuit protection	yes – signalled
Sensing the difference between the primary and secondary voltage	yes – signalled