



## MSVT MULTI-SECONDARY VOLTAGE SEPARATING TRANSFORMER

- Typical accuracy  $\pm 0.1\%$
- Easy mounting
- High output power
- Integration with the ASTeL test system

## INTRODUCTION

The MSVT multi-secondary voltage separating transformer was designed for the galvanic separation of measuring circuits. Thanks to its unique winding technology, exceptional parameters are possible. A maximum ratio accuracy of less than  $\pm 0.1\%$  makes the instrument the ideal solution for a wide range of applications. Among them is the opportunity to use the MSVT transformer for testing electricity meters with closed I-P links, i.e., meters with connected current and potential circuits.

Designed for single-phase meter testing, the MSVT can be controlled either with a local switch or by the test bench control software. Software control, makes it possible to switch the test voltage on/off either from the voltage source and/or from the MSVT. It is also possible to bypass MSVT during testing.



## TECHNICAL DATA

Operating range	
Nominal voltage	230V or other on demand
Ratio	1:1
Nominal frequency	50 or 60Hz
Number of secondaries	10, 20, 40, 60 or other on demand any up to 80
Output power	20VA / secondary
Accuracy	
Ratio error	$< \pm 0.1\%$
Angle error	$< \pm 2$ minutes
Maximum variation between any two secondary windings when equally loaded at the rated burden	$\pm 0.03\%$ ratio error and $\pm 1$ minute angle error
Safety	
Maximum test voltage between primary and secondaries	2.5kV
Maximum test voltage between secondary windings	500V
Physical characteristics	
Case	Light aluminum profiles and steel covers
Connection	Screw connector blocks

For additional technical details, please contact our sales department ([sales@metertest.eu](mailto:sales@metertest.eu))

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