

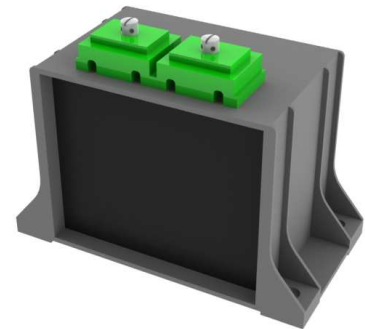
Instrument voltage transformer – type TNMT

Product presentation

Ed. 1 / 2019

LOW VOLTAGE

The highest voltage for the equipment	[kV]	$\leq 0,72$
Rated short duration separate source AC withstand voltage	[kV]	3
Rated voltage in primary winding	[V]	400; 500
Frequency	[Hz]	50
Rated voltage in secondary winding	[V]	100; $100/\sqrt{3}$
Power in the secondary winding	[VA]	10 ± 30
Accuracy class	[%]	0,2; 0,5; 1
Operating ambient temperature	[°C]	-40...+70
Insulation class	B	max. 120 °C
Protection type	-	IP00
The transformers are designed and manufactured according to IEC 61869 - 3		



Presentation

The TNMT type transformers are designed to be solid, practical and easy to install.

These transformers are designed for indoor use, mounted on vertical or horizontal position.

This type of transformer provide the isolation of the equipments, connected in the secondary circuit and their separation from the primary circuit; they are used in low voltage installations for measuring the voltage and for the electricity metering.

The TNMT transformers are manufactured with performat core, with reduced losses, encapsulated in case, with resin; in this way there is ensured a high level of operating safety and a proper resitance, thermal and mechanical.

The connections on the measuring secondary circuit are protected by a seal cap, due to the special conditions that must be provided in operating these transformers.

These transformers have only one secondary winding for measuring.

Technical data

The voltage for the primary winding, can be 400V; 500V or other values, on request.

The voltage for the primary winding, can be 100V or $100/\sqrt{3}$ V or other values, on request.

The accuracy class for the measuring winding can be 0,2, 0,5 or 1 for a value between 25...100% of the rated output and for a value of the rated primary voltage between 80 ... 120% .

It is not recommended to connect other loads in the secondary winding, other than the ones specified on the product label.

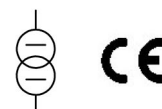
Operating conditions:

Altitude : maximum 1000 m.

Operating ambient temperature : - 40 ... + 70°C.

Storage temperature : - 40 ... + 40°C.

The following transformers: TNMT **400/100V** and **500/100V, power 30 VA**, accuracy class 0,5, have model approval in Romania. For all these transformers we can issue a Test Report from our own metrology laboratory, authorized by the Romanian Bureau of Legal Metrology.



Power / accuracy class [VA]	Voltages [V / V]	Mass [kg]
30 / 0,5	500 / 100	4,5
30 / 0,5	400 / 100	4,5

Note:

On request, we can manufacture this type of transformers (TNMT) with other technical parameters.

For any other details or information, do not hesitate to contact us.

Overall dimensions for the transformers type - TNMT

Power – accuracy class	Dimensions [mm]						TNMT
	A	B	C	D	E	ϕ	
Maximum 10 VA – 0,2% Maximum 30 VA – 0,5%	174	110	134	150	65	8,5	