



**Instytut
Energetyki**

**INSTITUTE OF POWER ENGINEERING
– NATIONAL RESEARCH INSTITUTE**
Certification and Inspection Department

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AC 117

CERTIFICATE OF CONFORMITY

No. DZC.522.49.1.2026

Issue No. 01 of 2026.05.15

*Name and address of
the certificate holder:*

**Electrotécnica Artech Hermanos, S.L.
Derio Bidea 28 (PZ1)
48100 Mungia (Vizcaya), Spain**

Name of the product:

Outdoor HV inductive voltage transformer

Type:

UTD-123, UTE-145

*Manufacturer and place of
manufacturing:*

**Electrotécnica Artech Hermanos, S.L.
Derio Bidea 28 (PZ1)
48100 Mungia (Vizcaya), Spain**

Parameters:

According to the appendix

*The product meets
requirements of:*

IEC 61869-1 ed. 1.0 (2007), IEC 61869-3 ed. 1.0 (2011)

*According to the
report made by:*

Institute of Power Engineering – National Research Institute

*Number of the product
evaluation report:*

DZC.522.49.1.2026

Period of validity:

from 15th of May 2026 until 14th of May 2029

The right to use the certificate of conformity within its validity period applies only to:

- these copies that have identical features, construction and equipment as the product samples submitted for testing
- certificate holder or his authorized representative

The list of technical data is included in the appendices to the certificate of conformity.

Number of appendices: 1

THE SYSTEM OF PRODUCT CERTIFICATION PC_1a (Program 1a acc. to PN-EN ISO/IEC 17067:2014-01)
(product parameters confirmed by type test)



Certification Body Manager
INSTITUTE OF POWER ENGINEERING
– NATIONAL RESEARCH INSTITUTE

Dariusz Zienkiewicz, M.Sc. Eng

Warsaw, 2026.05.15

APPENDIX TO THE CERTIFICATE OF CONFORMITY

No. DZC.522.49.1.2026
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LIST OF EVIDENCED PARAMETERS

Inductive voltage transformer type	UTD-123	UTE-145
Rated primary voltage U_{Pr}	$\leq 110/\sqrt{3}$ kV	$\leq 132/\sqrt{3}$ kV
Highest voltage for equipment U_m	≤ 123 kV	≤ 145 kV
Rated frequency f_R	50 Hz	
Rated insulation level	AC 230 kV / LI 550 kV	AC 275 kV / LI 650 kV
Minimum creepage distance of the insulator:		
• porcelain	4565 mm	
• composite	4495 mm	
Degree of protection against mechanical impact of enclosure ¹⁾	IK10	
Degree of protection of secondary terminals enclosure	IP55	
Static withstand load F_R ²⁾	5000 N	
Rated voltage factor F_V / time	$\leq 1,2$ / continuous	
Rated secondary voltage U_{Sr}	$\leq 110/\sqrt{3}$ V	
Measurement and protection windings accuracy class	0,2; 0,5; 1,0; 3,0; 3P; 6P	
Rated output of measurement and protection windings S_r	≤ 100 VA	
Rated voltage of residual voltage winding $U_{Sr} (da-dn)$	$\leq 110/3$ V	
Residual voltage winding accuracy class	3P; 6P	
Residual voltage winding output $S_r (da-dn)$	≤ 100 VA	
Total thermal limiting output $S_{\Sigma th}$	≤ 2000 VA	

NOTES:

- ¹⁾ Does not apply to porcelain insulators, according to IEC 61869-1 ed. 1.0 (2007), p. 6.10.6
- ²⁾ Applies to instrument transformers with porcelain insulators

