

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 34 : Instrument Transformers

Scope: To prepare standards and application guides for instrument transformers

Liaison: **IEC TC-38 (P): Instrument Transformers**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 16227 (Part 1):2016 IEC 61869-1 : 2007 IEC 61869-1:2007	Instrument transformers: Part 1 general requirements		-	Identical under dual numbering
2	IS 16227 (Part 2):2016 IEC 61869-2 : 2012 Reviewed In : 2025 IEC 61869-2:2012	Instrument transformers: Part 2 additional requirements for current transformers	February, 2025	-	Identical under dual numbering
3	IS 16227 (Part 3):2015 iec61869-3 Reviewed In : 2025 iec61869-3:2011	Instrument transformers: Part 3 additional requirements for inductive voltage transformers	February, 2025	-	Identical under dual numbering
4	IS 16227 (Part 4):2015 IEC 61869-4 : 2013 Reviewed In : 2025 IEC 61869-4:2013	Instrument transformers: Part 4 additional requirements for combined transformers	February, 2025	-	Identical under dual numbering
5	IS 16227 (Part 5):2015 iec61869-5 Reviewed In : 2025 iec61869-5 :2015	Instrument transformers: Part 5 additional requirements for capacitors voltage transformers	February, 2025	1	Identical under dual numbering
6	IS 16227 (Part 6):2018 IEC 61869-6 : 2016 Reviewed In : 2023 IEC 61869-6: 2016	Instrument transformers: Part 6 additional general requirements for low - Power instrument transformers	March, 2023	-	Identical under dual numbering
7	IS 16227 (Part 9):2018 IEC 61869-9 : 2016 Reviewed In : 2023 IEC 61869-9: 2016	Instrument transformers: Part 9 digital interface for instrument transformers	March, 2023	-	Identical under dual numbering
8	IS 16227 (Part 100):2018 IEC 61869-100 : 2017 Reviewed In : 2025	Instrument transformers: Part 100 guidance for application of current transformers in power system protection	February, 2025	-	Identical under dual numbering

	IEC 61869-100:2017				
9	IS 16227 (Part 102):2018 IEC/TR 61869-102 Reviewed In : 2025 IEC TR 61869-102 : 2012	Instrument transformers: Part 102 ferroresonance oscillations in substations with inductive voltage transformers	February, 2025	-	Identical under dual numbering
10	IS 16227 (Part 103):2018 IEC/TR 61869-103 : 2012 Reviewed In : 2025 IEC/TR 61869-103 : 2012	Instrument Transformers part 103 The use of instrument Transformers for power quality Measurement	February, 2025	-	Identical under dual numbering
11	IS 16855 (Part 1):2018 IEC 62689 -1 : 2016 Reviewed In : 2025 IEC 62689-1: 2016	Current and voltage sensors or detectors, to be used for fault passage indication purposes: Part 1 general principles and requirements	February, 2025	-	Identical under dual numbering
12	IS 16855 (Part 2):2018 IEC 62689-2 : 2016 Reviewed In : 2025 IEC 62689-2 : 2016	Current and Voltage Sensors or Detectors to be used for Fault Passage Indication Purposes part 2 System Aspects	February, 2025	-	Identical under dual numbering
13	IS 16855 (Part 100):2019 IEC 62689-100 : 2016 Reviewed In : 2025 IEC 62689-100: 2016	Current and voltage sensors or detectors to be used for fault passage indication purposes: Part 100 requirements and proposals for the is/iec 61850 series data model extensions to support fault passage indicators applications	February, 2025	-	Identical under dual numbering
14	IS 4146:1983 Reviewed In : 2024	Application guide for voltage transformers (First Revision)	December, 2024	-	Indigenous
15	IS 4201:1983 Reviewed In : 2024	Application guide for current transformer (First Revision)	December, 2024	-	Indigenous
16	IS 5547:1983 Reviewed In : 2016	Application guide for capacitor voltage transformers (First Revision)		-	Indigenous
17	IS/IEC 60044-7:1999 Reviewed In : 2022 IEC60044-7	Instrument transformers: Part 7 electronic voltage transformers	December, 2022	-	Identical under single numbering
18	IS/IEC 60044-8:2002 IEC 60044-8 : 2002 IEC 60044-8:2002	Instrument transformers: Part 8 electronic current transformers		-	Identical under single numbering
19	IS 6949:1973 Reviewed In : 2016	Specification for summation current transformers		-	Indigenous

Standards under Development

Projects Approved

Sl. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	ETD 34 (27282)	Condition Monitoring of Instrument Transformers
2	ETD 34 (27283)	Installation and Maintenance of Instrument Transformers

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
No Records Found		

Total Published Standards:19 Total Standards Under development:2		
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Aspect Wise Report		
<div> <div>Product : 11</div> <div>Code of Practices : 5</div> <div>Methods of Test : 0</div> <div>Terminology : 0</div> <div>Dimensions : 0</div> <div>System Standard : 0</div> <div>Safety Standard : 0</div> <div>Others : 3</div> <div>Service Specification : 0</div> <div>Process Specification : 0</div> <div>Unclassified : 0</div> </div>		

Annexure-I :List of Indian Standards Withdrawn/Superseded		
SI. No.	IS No. & Year	Title
1	IS 11322:1985 Reviewed In : 2016	Method for partial discharge measurement in instrument transformers
2	IS 2705 (Part 1):1992 Reviewed In : 2017	Current transformers - Specification Part 1 general requirements Second Revision
3	IS 2705 (Part 2):1992 Reviewed In : 2017	Current transformers Part 2 Measuring current transformers
4	IS 2705 (Part 3):1992 Reviewed In : 2012	Current transformers Part 3 Protective current transformers
5	IS 2705 (Part 4):1992 Reviewed In : 2012	Current transformers Part 4 Protective current transformers for special purpose applications
6	IS 3156 (Part 1):1992 Reviewed In : 2012	Voltage transformers Part 1 General requirements
7	IS 3156 (Part 2):1992 Reviewed In : 2012	Voltage transformers Part 2 Measuring voltage transformers
8	IS 3156 (Part 3):1992	Voltage transformers Part 3 Protective voltage transformers

	Reviewed In : 2012	
9	IS 3156 (Part 4):1992 Reviewed In : 2012	Voltage transformers Part 4 Capacitor voltage transformers
10	IS/IEC6004 :-1:2003 Reviewed In : 2012 IEC60044-1	Instrument Transformers Part 1 Current Transformers

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 16227 (Part 1):2016 IEC 61869-1 : 2007 IEC 61869-1:2007	Instrument transformers Part 1 general requirements
2	IS 16227 (Part 2):2016 IEC 61869-2 : 2012 Reviewed In : 2025 IEC 61869-2:2012	Instrument transformers Part 2 additional requirements for current transformers
3	IS 16227 (Part 3):2015 iec61869-3 Reviewed In : 2025 iec61869-3:2011	Instrument transformers Part 3 additional requirements for inductive voltage transformers
4	IS 16227 (Part 4):2015 IEC 61869-4 : 2013 Reviewed In : 2025 IEC 61869-4:2013	Instrument transformers Part 4 additional requirements for combined transformers
5	IS 16227 (Part 5):2015 iec61869-5 Reviewed In : 2025 iec61869-5 :2015	Instrument transformers Part 5 additional requirements for capacitors voltage transformers
6	IS 16227 (Part 6):2018 IEC 61869-6 : 2016 Reviewed In : 2023 IEC 61869-6: 2016	Instrument transformers Part 6 additional general requirements for low - Power instrument transformers
7	IS 16227 (Part 9):2018 IEC 61869-9 : 2016 Reviewed In : 2023 IEC 61869-9: 2016	Instrument transformers Part 9 digital interface for instrument transformers
8	IS 16855 (Part 1):2018 IEC 62689 -1 : 2016 Reviewed In : 2025 IEC 62689-1: 2016	Current and voltage sensors or detectors to be used for fault passage indication purposes Part 1 general principles and requirements
9	IS/IEC 60044-7:1999 Reviewed In : 2022 IEC60044-7	Instrument transformers Part 7 electronic voltage transformers
10	IS/IEC 60044-8:2002 IEC 60044-8 : 2002 IEC 60044-8:2002	Instrument transformers Part 8 electronic current transformers
11	IS 6949:1973 Reviewed In : 2016	Specification for summation current transformers