

## 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 <a href="#">IEC 61869-1:2007</a>	Instrument transformers: Part 1 general requirements		-	Identical under dual numbering
2	IS 16227 (Part 2) : 2016 IEC 61869-2 : 2012 <a href="#">Reviewed In : 2021</a> <a href="#">IEC 61869-2:2012</a>	Instrument transformers: Part 2 additional requirements for current transformers	February, 2021	-	Identical under dual numbering
3	IS 16227 (Part 3) : 2015 iec61869-3 <a href="#">iec61869-3:2011</a>	Instrument transformers: Part 3 additional requirements for inductive voltage transformers		-	Identical under dual numbering
4	IS 16227 (Part 4) : 2015 IEC 61869-4 : 2013 <a href="#">IEC 61869-4:2013</a>	Instrument transformers: Part 4 additional requirements for combined transformers		-	Identical under dual numbering
5	IS 16227 (Part 5) : 2015 iec61869-5 <a href="#">iec61869-5 :2015</a>	Instrument transformers: Part 5 additional requirements for capacitors voltage transformers		1	Identical under dual numbering
6	IS 16227 (Part 6) : 2018 IEC 61869-6 : 2016 <a href="#">Reviewed In : 2023</a> <a href="#">IEC 61869-6: 2016</a>	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 <a href="#">Reviewed In : 2023</a> <a href="#">IEC 61869-9: 2016</a>	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 <a href="#">IEC 61869-100:2017</a>	Instrument transformers: Part 100 guidance for application of current transformers in power system protection		-	Identical under dual numbering
9	IS 16227 (Part 102) : 2018	Instrument transformers: Part 102 ferroresonance oscillations in		-	Identical under dual numbering

	IEC/TR 61869-102 : 2012 IEC TR 61869-102 : 2012	substations with inductive voltage transformers			
10	IS 16227 (Part 103) : 2018 IEC/TR 61869-103 : 2012 IEC/TR 61869-103 : 2012	Instrument Transformers part 103 The use of instrument Transformers for power quality Measurement		-	Identical under dual numbering
11	IS 16855 (Part 1) : 2018 IEC 62689 -1 : 2016 IEC 62689-1: 2016	Current and voltage sensors or detectors, to be used for fault passage indication purposes: Part 1 general principles and requirements		-	Identical under dual numbering
12	IS 16855 (Part 2) : 2018 IEC 62689-2 : 2016 IEC 62689-2 : 2016	Current and Voltage Sensors or Detectors to be used for Fault Passage Indication Purposes part 2 System Aspects		-	Identical under dual numbering
13	IS 16855 (Part 100) : 2019 IEC 62689-100 : 2016 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		-	Identical under dual numbering
14	IS 2705 (Part 1) : 1992 Reviewed In : 2017	Current transformers - Specification: Part 1 general requirements (Second Revision)		2	Indigenous
15	IS 4146 : 1983 Reviewed In : 2016	Application guide for voltage transformers (First Revision)		-	Indigenous
16	IS 4201 : 1983 Reviewed In : 2016	Application guide for current transformer (First Revision)		-	Indigenous
17	IS 5547 : 1983 Reviewed In : 2016	Application guide for capacitor voltage transformers (First Revision)		-	Indigenous
18	IS/IEC 60044-7 : 1999 Reviewed In : 2022 IEC60044-7	Instrument transformers: Part 7 electronic voltage transformers	December, 2022	-	Identical under single numbering
19	IS/IEC 60044-8 : 2002 IEC 60044-8 : 2002 IEC 60044-8:2002	Instrument transformers: Part 8 electronic current transformers		-	Identical under single numbering
20	IS 6949 : 1973 Reviewed In : 2016	Specification for summation current transformers		-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

### Drafts Standards in WC Stage

Sl. No.	Doc No.	Title
<i>No Records Found</i>		

### Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
<i>No Records Found</i>		

### Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
<i>No Records Found</i>		

### Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
<i>No Records Found</i>		

**Total Published Standards:20 Total Standards Under development:0**

### Aspect Wise Report

Product : 12  
Code of Practices : 5  
Methods of Test : 0  
Terminology : 0  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 3  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 11322 : 1985 Reviewed In : 2016	Method for partial discharge measurement in instrument transformers
2	IS 2705 (Part 2) : 1992 Reviewed In : 2017	Current transformers Part 2 Measuring current transformers
3	IS 2705 (Part 3) : 1992 Reviewed In : 2012	Current transformers Part 3 Protective current transformers
4	IS 2705 (Part 4) : 1992 Reviewed In : 2012	Current transformers Part 4 Protective current transformers for special purpose applications
5	IS 3156 (Part 1) : 1992 Reviewed In : 2012	Voltage transformers Part 1 General requirements
6	IS 3156 (Part 2) : 1992 Reviewed In : 2012	Voltage transformers Part 2 Measuring voltage transformers
7	IS 3156 (Part 3) : 1992 Reviewed In : 2012	Voltage transformers Part 3 Protective voltage transformers
8	IS 3156 (Part 4) : 1992 Reviewed In : 2012	Voltage transformers Part 4 Capacitor voltage transformers
9	IS/IEC6004 :-1 : 2003 Reviewed In : 2012 IEC60044-1	Instrument Transformers Part 1 Current Transformers

**Annexure-II :List of Indian Product Standards**

SI. 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 : 2021 IEC 61869-2:2012	Instrument transformers Part 2 additional requirements for current transformers
3	IS 16227 (Part 3) : 2015 iec61869-3 iec61869-3:2011	Instrument transformers Part 3 additional requirements for inductive voltage transformers
4	IS 16227 (Part 4) : 2015 IEC 61869-4 : 2013 IEC 61869-4:2013	Instrument transformers Part 4 additional requirements for combined transformers
5	IS 16227 (Part 5) : 2015 iec61869-5 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 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 2705 (Part 1) : 1992 Reviewed In : 2017	Current transformers - Specification Part 1 general requirements Second Revision
10	IS/IEC 60044-7 : 1999 Reviewed In : 2022 IEC60044-7	Instrument transformers Part 7 electronic voltage transformers
11	IS/IEC 60044-8 : 2002 IEC 60044-8 : 2002 IEC 60044-8:2002	Instrument transformers Part 8 electronic current transformers
12	IS 6949 : 1973 Reviewed In : 2016	Specification for summation current transformers