

**(PREVIEW)**  
***Indian Standard***  
**SPECIFICATION FOR**  
**POWER TRANSFORMERS**  
**PART I GENERAL**

**I. SCOPE**

**1.1** This standard covers power transformers (including auto transformers ).

**1.2** This standard does not cover the following small and special purpose transformers:

- a) Single-phase transformers rated at less than 1 kVA and polyphase transformers rated at less than 5 kVA;
- b) Outdoor type three-phase distribution transformers up to and including 100 kVA, 11 kV ( covered by IS: 1180-1964 || );
- c) Instrument transformers (covered by IS: 2705 ¶ and IS : 3156\*\* );
- d) Transformers for static convertors;
- e) Starting transformers;
- f) Testing transformers;
- g) Traction transformers mounted on rolling stock;
- h) Welding transformers [covered by IS: 1851-1966 †† and IS: 4804 (Part I) - 1968 ‡‡ ];
- j) Mining transformers [covered by IS : 2772 ( Part I) - 1964\*];
- k ) Earthing transformers (covered by IS : 3151-1965 † );
- m) X-ray transformers;
- n) Reactors (covered by IS: 5553 ‡ ); and
- p) Furnace type transformers.

NOTE - Where Indian Standards do not exist for the transformers mentioned above, or for other special transformers, this-standard may be applicable either as a whole or in part.

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\*Specification for power transformers: Part II Temperature-rise (*first revision*).

†Specification for power transformers: Part III Insulation levels and dielectric tests (*first revision*).

‡Specification for power transformers: Part IV Terminal markings, tappings and connections (*first revision*).

§Rules for rounding off numerical values ( *revised* )

||Specification for outdoor type three-phase distribution transformers up to and including 100 kVA 11 kV (*revised*).

¶Specification for current transformers,

\*\*Specification for voltage transformers.

††Specification for single operator type arc welding transformers (*first revision* ).

‡‡Specification for resistance welding equipment: Part I Single-phase transformers.