



DEPARTMENT OF TRADE AND COMMERCE  
STANDARDS BRANCH

TYPE APPROVAL OTTAWA, August 13, 1963.

PIONEER ELECTRIC TYPES "ITB", "ITBC" AND "ITBN"  
CURRENT TRANSFORMERS

The transformers specified herein are approved by the Standards Branch under the provisions of the Electricity Inspection Act, Chapter 24, R.S. 1952, and may be verified.

Approved: Types "ITB", "ITBC" and "ITBN" Current Transformers, manufactured by Pioneer Electric Limited, Fort Garry, Winnipeg 9, Manitoba.

- Rating of Apparatus:
- Primary Currents ..... 150, 200, 250, 300, 400, 500, 600, 750, 800, 1000, 1200, 1500, 2000, 2500, 3000, 4000, 5000 amps.
  - Secondary Current .... 5 Amps.
  - Burden ..... 12.5 VA, 0.9 p.f.
  - Voltage Ratio ..... 0.6, 1.2, 2.5, 5.0, 8.7 or 15 KV.
  - Accuracy Rating ..... 150, 200, 250 amps. - 0.6B0.1, B0.2, B0.5.  
300 amps. and above - 0.3B0.1, B0.2, B0.5.

Note: Double ratio transformers having a tapped double length secondary winding are also approved provided that both ratios are included in the list of primary ratios above.

Description: These current transformers are of the through type and contain a wound core. They are moulded in plastic which may be of a cubic or cylindrical shape. The transformers may also be housed in sheet metal cases, part of which may form the base for mounting. Some "ITBN" instead of being moulded in plastic are finished with cotton linc and varnish impregnated. They are intended for mounting on a power transformer bushing or for mounting on an insulating tube in switchgear. There are three types, the designations being in accordance with the manner in which the primary conductor is accommodated:

- Type "ITB" has an integral primary bus moulded into the unit.
- Type "ITBC" has a circular window for the primary conductor.
- Type "ITBN" has a rectangular window for the primary conductor.

Polarity is marked by a white dot adjacent to corresponding primary and secondary terminals.

Note: This approval amends and consolidates SD-EA.389 of February 24, 1959 and SD-EA.461 of June 21, 1960. If necessary, earlier illustrations may be kept for reference. Issue '2' covers extensions to the original approvals and these are underlined for ready identification.

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