



TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA, December 29, 1954.

TYPE APPROVAL

HYDRO-ELECTRIC POWER COMMISSION

TYPE "MP" AUXILIARY TOTALIZING CURRENT TRANSFORMER

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chap.94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Type "MP" Auxiliary Totalizing Multiple Primary Current Transformer, manufactured by the Hydro-Electric Power Commission of Ontario, 620 University Avenue, Toronto 2, Ontario.

Rating of Apparatus:

Primaries 8
Ratio 4:1
Rated Primary Current 5 amperes
Rated Secondary Current 5 amperes
Maximum Secondary Current 10 amperes
Accuracy* 0.6B0.9
Frequency 25/60 cycles


* marked on nameplate

Description: The type "MP" current transformer is an auxiliary transformer used for totalizing the load on several circuits. In all applications the primary current transformers supplying current to the primary windings of the type "MP" transformer are installed on busses, feeders, etc. which are operating at the same voltage, i.e., the sources of primary current are operating in parallel. The input currents to the auxiliary transformer are limited by the nominal rating of the primary current transformers, namely 5 amperes. The secondary current is proportional to the sum of the primary currents.

The transformer embodies 8 primary windings and a single secondary wound in layers on a stack of rectangular laminations to form a core type transformer construction. Any number of the primary windings may be used, the unused windings remaining open circuited. The primary windings of this transformer may be connected in series, before connection to the secondary windings of the primary current transformers to be totalized, so as to give various ratios (4:1, 2:1, 1.33:1, 1:1).

Polarities are indicated by fibre discs slipped over the leads. The discs on the secondary leads are stamped S+ and S; those on the primary leads P1+, P1; P2+, P2; P3+, P3; etc. The discs are also coloured - red for those marked with a + and black for the others.

Note: Those Inspection Districts situated outside the Province of Ontario need not be concerned with this approval notice.


R. W. MacLean,
Director,
Standards Division.


E. F. Power,
Assistant Director (E&G),
Standards Division.

Ref: A-368

H.E.P.C. TYPE "MP" AUXILIARY TOTALIZING CURRENT TRANSFORMER

