DEPARTMENT OF

TRADE AND COMMERCE
CANADA

SD-EA.98

STANDARDS DIVISION

OTTAWA, March 17, 1953.

TYPE APPROVAL

CANADIAN WESTINGHOUSE TYPE "FW" CURRENT TRANSFORMERS

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of The Electricity Inspection Act, Chap.22, 1928, as amended, and may be admitted to verification in Canada.

Apparatus Approved: *Type "FW" Current Transformers, manufactured by the Canadian Westinghouse Company, Limited, Hamilton, Ontario.*

Rating of Apparatus:

Primary Voltage Rating	1200 volts (This is the voltage rating with bare primary conductor. The manufacturer rates the transformer up to 2500 volts when used with 600-volt insulated cable.)
Ampere Ratings	200/5; 600/5
Temperature Rating	55°C. rise
Frequency	25-60 cycles
Accuracy Classification	ASA Class 0.3 B0.1
Continuous Current Rating	200%.

Description: The type "FW" current transformer is a compact, easily installed, through-type transformer. It has been designed for the purpose of covering a wide range of primary currents with only two ratings of the transformer. Its intended application is for watthour meters on low voltage lines where the burden is low. It is not suitable for relay applications. The weight and dimensions of the transformer have been kept small by the use of a wound ring type core of Hipersil steel, a cold rolled, grain oriented electrical sheet steel.

The core and coil assembly is enclosed in a sheet steel case and mounted around the primary insulating tube. The slotted feet permit the transformer to be mounted in any position in meter boxes or other switchboard installations.

The primary polarity is indicated by a white porcelain polarity marker mounted on the end of the transformer case. The secondary polarity marker is moulded into the secondary terminal block and filled with white paint.

Secondary connections are made to an automatic short-circuiting terminal block mounted on top of the transformer.

The tube opening diameter is $1\frac{1}{4}$" for the 200/5, and 2" for the 600/5, transformer.

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Ref: A-301

WESTINGHOUSE TYPE "FW" CURRENT TRANSFORMER