

TRADE AND COMMERCE

STANDARDS DIVISION

OTTAWA April 24, 1959.

TYPE APPROVAL

PIONEER TYPES "IAPY" AND "IAPD" METERING TRANSFORMER UNITS

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

Apparatus Approved: Metering Transformer Units, Types "IAPY" and "IAPD", manufactured by Pioneer Electric Limited, Winnipeg, Manitoba.

Rating of Apparatus:

Primary Voltages 2400, 4800, 7200 volts

Secondary Voltage 120 volts

Primary Currents 200, 150, 100, 50, 20, 10 amperes

Secondary Current 5 amperes

Burden 12.5 VA at .9 p.f. for both

ourrent and voltage transformers

Frequency 60 cycles

Accuracy Classification:

Current Transformers ASA 0.3B0.5 Voltage Transformers ASA 0.6BW.

Description: These units consist of one type "I" current transformer and one type "P" voltage transformer mounted together in an oil-filled tank. The cores of both transformers are made up of stacked rectangular sheets. This is termed type A construction. Polarity markings are as shown on the name-plate. The type "IAPY" is for wye operation with the current transformer connected between H1 and H2, and the voltage transformer connected between H1 and the grounded tank. The type "IAPD" is for delta operation with the current transformer connected between the centre conductor of the dual conductor H1 bushing and the outside load conductor, and the voltage transformer connected between H1 and H2.

These are the same transformers as the type "IAP" approved under SD-EA.157 of August 11, 1954. The addition of 'Y' and 'D' to the old designation readily distinguishes a unit for wye operation from one for

delta operation.

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