DEPARTMENT OF

TRADE AND COMMERCE
CANADA

SD-EA.306

STANDARDS DIVISION

OTTAWA August 19, 1957.

TYPE APPROVAL

PIONEER METERING UNITS TYPES "IAPAT" AND "IAPFT"

The apparatus specified and illustrated 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: Types "IAPAT" and "IAPFT" Metering Transformer Units, manufactured by Pioneer Electric Limited, No. 1 Rockwood Place, Fort Garry, Winnipeg 9, Manitoba.

| Rating of Apparatus: | "IAPAT" | "IAPFT" |
|---|---|---|
| Primary Voltage | 2400 and 14400 | 2400 and 14400 |
| Secondary Voltage | 120 | 120 |
| Primary Current | 30 and 100 amps. | 30 and 100 amps. |
| Secondary Current | 5 amps. | 5 amps. |
| Rated Burden: | | |
| Voltage Transformers | 75VA at 0.85 p.f. | 25VA at 0.7 p.f. |
| Current Transformers | 12.5VA at 0.9 p.f. | 12.5VA at 0.9 p.f. |
| Accuracy Classification: | | |
| Voltage Transformers | 0.6WXY | 0.3W, 0.6X |
| Current Transformers | 0.3B0.5 | 0.6B0.5 |
| Phase and Wire | 3-phase 3-wire and 3-phase 4-wire | |
| Frequency | 60 cycles | |

Description: There are two variations of each type: one for 3-phase 3-wire and one for 3-phase 4-wire metering. The 3-phase 3-wire type consists of two voltage transformers connected line to line and two current transformers connected in the line. The 3-phase 4-wire type consists of two voltage transformers connected line to neutral with the neutral either being grounded internally or brought out through a bushing, and three current transformers connected in the line. The transformers are contained in an oil-filled tank and will have bushings of appropriate voltage class mounted on the cover. All secondary leads will be brought out to a junction box and will be identified. All current transformer leads will have a shorting device. The construction of the unit is indicated by the type designation: IA indicates a current transformer with a stacked core; PA indicates a voltage transformer with a stacked core; PF indicates a voltage transformer with a folded core; and T indicates a three-phase assembly. Polarities are shown on the drawing on the name[illegible]

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Ref: A-645

PIONEER ELECTRIC TYPE "IAPAT" METERING TRANSFORMER UNIT