



TRADE AND COMMERCE
CANADA

8-EA.432

STANDARDS BRANCH

OTTAWA, January 4, 1960.

TYPE APPROVAL

FERRANTI-PACKARD TYPES "B2TA" AND "B2TS"
SINGLE-PHASE COMBINATION THERMAL DEMAND-ENERGY METERS

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

Apparatus Approved: Types "B2TA" and "B2TS" Single-Phase Combination Thermal Demand-Energy Meters, manufactured by Ferranti-Packard Electric Limited, St. Catharines, Ontario.

Rating of Apparatus:

| | |
|------------------------|------------------|
| Current Range | .75-100 amperes |
| Voltage | 230 or 240 volts |
| Wire | 3 |
| Test Period | 32 minutes |
| Scale Graduation | 1200 |
| Full Scale Value | 24 KW |
| Multiplier | 20 |
| Phase | 1 |
| Frequency | 60 cycles |

Description: The Ferranti-Packard Electric Limited has developed a new single-phase thermal demand-energy meter which will be known as the Type "B2TA" (A base) and "B2TS" (Socket base). These meters will replace the Type "FTA".

The new meter consists essentially of the type "B2" watt-hour element combined with the type "FT" thermal element. The bottom-connected meter has a base the same size as the type "FTA" but has a considerably shallower cover. The socket meter has the conventional metal back-plate, which is of aluminum. The current transformer formerly used in the type "FT" has been replaced by a smaller wound-core toroid. The voltage for the thermal element is provided by a secondary winding on the watt-hour voltage electro-magnet. The calibration adjustment of the Type "B2T" is similar to that of the type "FTA" but the zero adjuster is now a coil spring and pallet. A clear glass cover replaces the type "FTA" cover which had frosted sides. A metal shield protects the temperature compensation spiral from the effect of the sun's radiation. The clock register uses substantially the same moving

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