DEPARTMENT OF

TRADE AND COMMERCE
CANADA

S-EA.462

STANDARDS BRANCH

OTTAWA June 30, 1960.

TYPE APPROVAL

FERRANTI-PACKARD TYPES "B2TA" AND "B2TS"
"DUAL RANGE" SINGLE-PHASE COMBINATION 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" "Dual Range" Single-Phase Combination Thermal Demand-Energy Meters, manufactured by Ferranti-Packard Electric Limited, St. Catharines, Ontario.

Rating of Apparatus:	"B2TS" and "B2TA"	"B2TS" only
Current Range	.75-50 or .75-100 amps.	2-100 or 2-200 amps.
Voltage	230 or 240 volts	230 or 240 volts
Wire	3	3
Test Period	32 minutes	32 minutes
#Scale Graduation	600 or 1200	600 or 1200
#Full Scale Value	12 or 24 KW	24 or 48 KW
★Multiplier	20	40
Register Ratio	555-5/9	333-1/3
Register Type	Clock and Cyclometer	Clock and Cyclometer
Watthour Constant, Kh	3.6	12
Phase	1	1
Frequency	60 cycles	60 cycles

The alternate value is printed on the back of the demand scale.
★ Applies to both watthour and demand readings.

Description: These meters are similar in design and construction to the single range meters that received approval under Circulars S-EA.432, January 4, 1960 and S-EA.438, March 9, 1960 except for the dual range feature. The dual range applies only to the demand element, the rating of the watthour element being that of the higher value. The wound core toroid current transformer supplying the demand element now has a tapped secondary winding, with the taps being brought to a terminal block at the extreme left of the demand scale. Removal of the main nameplate exposes a long screw that can be inserted through one of two adjacent holes. The screw holds a block connected to the demand heater leads, so that the heater may be connected either across the whole or part of the current transformer secondary winding. In either connection, the current through the heaters is the same for full scale deflection. The demand scale is reversible and to make it match the correct secondary winding tap, there are two semi-circular notches near each end of the low edge of the scale. These notches are so located that they will clear

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