

TRADE AND COMMERCE

STANDARDS DIVISION

TYPE APPROVAL

PACKARD TYPES "BLA" AND "BIS" 'QUICK-CHANGE' 25/60 CYCLE METERS

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: Types "BlA" and "BlS" Single-Phase Watthour Meters, 25/60 cycles, manufactured by the Packard Electric Company Limited, St. Catharines, Ontario.

Rating	oſ	Appar	atus:
--------	----	-------	-------

Rated Amperes	2	- 5	10	10	15	25	50	50 ,
Maximum Amperes (25 cycles)	7	15	30	30	45	75	100	100/150
(60 cycles)	10	20	40	40	60	100	100	100/200
Wire	2	2	2	3	3	3	2	3
Volts	115	115	115	-	-	-	115	-
	230		230	230			230	230
			460					-
			575	-	-	-	575	-
Frequency								
к _h	Basi	c Con	stant	(for	5-am	p. 11	5-volt)	1/3

Note: # Higher rating for "BIS" only when used with HC Socket # See Approval Circular SD-EA.96, March 3, 1953.

Description: Basically the meter is the same as the 60-cycle types "BlA" and "BlS" described in Circular SD-EA.84 of August 21, 1952, except for the electromagnet and the lag plates. Voltage and current cores have the same number of turns as for 60 cycles. To carry the extra voltage flux on 25 cycles, the core stack has been increased 33%. Extra lagging for 25 cycles is provided by a stationary lag plate. The auxiliary gap spacers for 25 cycles are double, being half magnetic and half non-magnetic.

To convert to 60 cycles: Remove the stationary lag plate. Replace the auxiliary gap spacers with the non-magnetic spacers to be found taped inside the meter base. Re-magnetize the magnet and draw to the correct strength. Discard the 25-cycle nameplate and calibrate on 60 cycles.

8. F. Power

E. F. Power, Assistant Director (E&G), Standards Division.

R. W. MacLean, Director, Standards Division.

Ref: A-273H