



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

OTTAWA, January 26, 1960.

TYPE APPROVAL

CANADIAN WESTINGHOUSE TYPES "DAH" AND "DSH"
COMBINATION THERMAL DEMAND-ENERGY METERS

The apparatus specified 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 "DAH" and "DSH" Combination Thermal Demand-Energy Meters, manufactured by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

Rating of Apparatus:

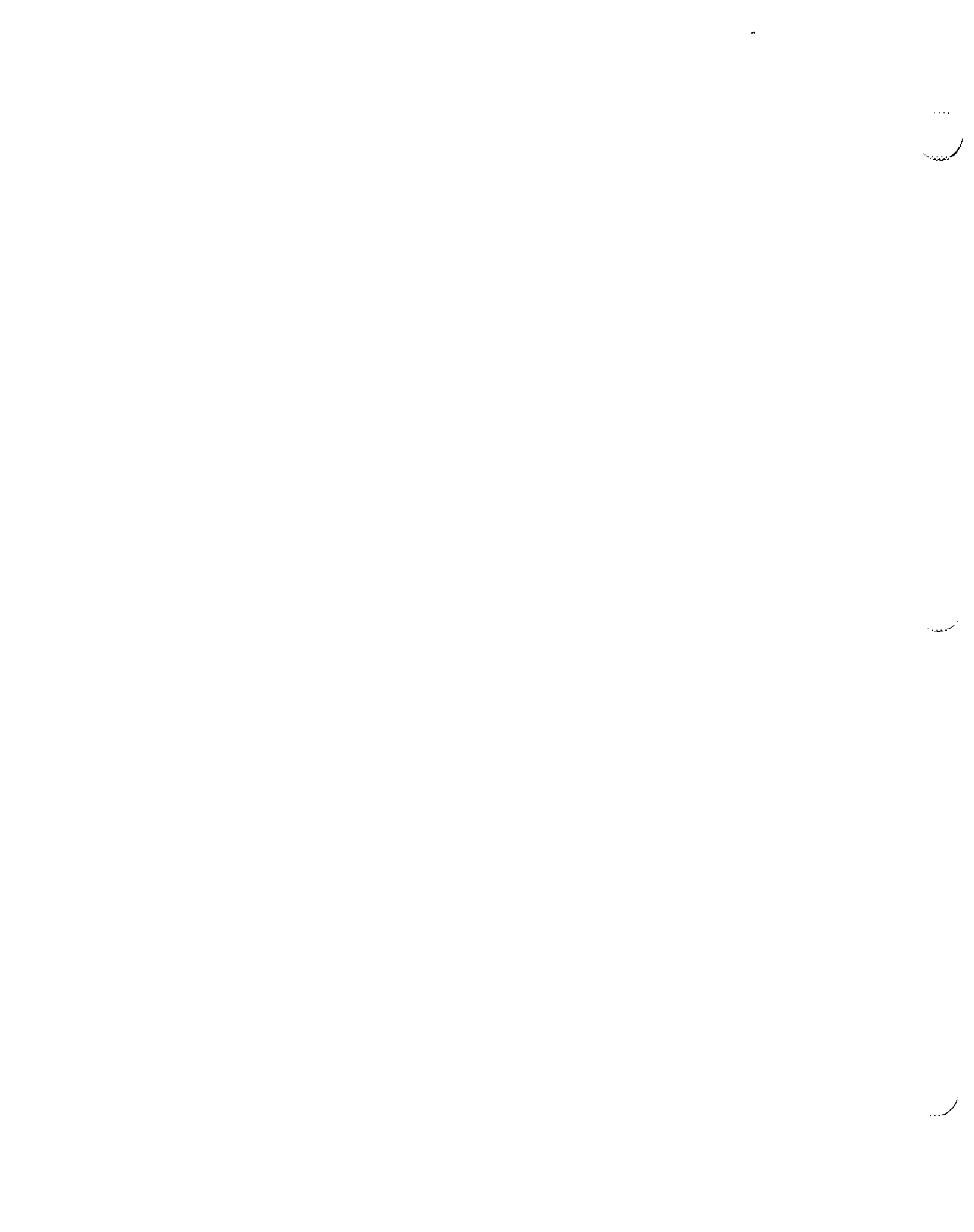
Current Range075-6.5	.375-32.5	.75-65	1.5-130	2-200 amperes
Volts	-	230 or 240	all current ranges -		
Wire	2	3	3	3	3
Full Scale Demand ...	1.5KW	7.5KW	15KW	30KW	45KW
Scale Range	-	0-1500 all capacities			-
Multiplier	1	5	10	20	30
Kh36	1.8	3.6	7.2	7.2
Register Ratio	277-7/9	277-7/9	277-7/9	277-7/9	416-2/3
Frequency	-	60 cycles all capacities			-
Test Period	-	32 minutes all capacities			-

Note: The .075-6.5 amp. rating is a transformer type; the other four ratings are all semi-contained.

Description: These types are similar in design and construction to those approved under Circulars SD-EA.352a, April 24, 1958; SD-EA.352b, July 10, 1958; SD-EA.352c, December 16, 1958; and SD-EA.352d, January 7, 1959, except for the following:-

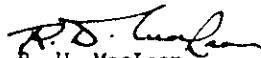
- (1) The current transformer ratios have been altered to provide for additional capacities.
- (2) The spring-type lightning arrester connector has been replaced with flexible lead connections from the "Line" terminals to the buttons mounted in the base for the 6.5 amp. and 32.5 amp. capacities only.
- (3) The 32.5 amp. meter will use an epoxy encapsulating material to insulate the series coil turns in an open assembly rather than a moulded one used in other capacities.
- (4) The basic Rr will be 277-7/9 on meters rated up to 130 amperes. The high capacity, or 200 amp. "DSH" will require a Rr of 416-2/3. The


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register will be of the construction now in use on the older line of "DAH/DSH" meters with the exception of the gearing changes necessary to provide the new ratios. All registers will be of the clock type, 4-dial with test dial.

- (5) The demand scale has been changed from 1200 to 1500 watts; each division represents 20 watts beginning at 140 watts. The lengthened cardinal lines will be marked 0, 200, 400, 600, 800, 1000, 1200 and 1500. The 2-200 amp. meter is approved for use only with a high capacity socket.


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Ref: A-834

