



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

## NOTICE OF APPROVAL

S.WA-680

OTTAWA February 5, 1971

Approved: MARTIN - DECKER CRANE SCALE - SERIES SD18

manufactured by Martin-Decker Corporation, 1928 South Grand Ave., Santa Ana, California.

Apparatus Listed: Hydraulic Crane Scale with remote 18 inch dial indicators-

<u>Model Number</u>	<u>Capacity</u> Pounds	<u>Dial Capacities - LB</u>	
		<u>Light Load Dial</u>	<u>Capacity Dial</u>
SD18-2500	250,000	60,000	250,000
SD18-3000	300,000	100,000	300,000

Load Rating: Maximum capacities are as shown above.

Application: The weighing of wood logs.

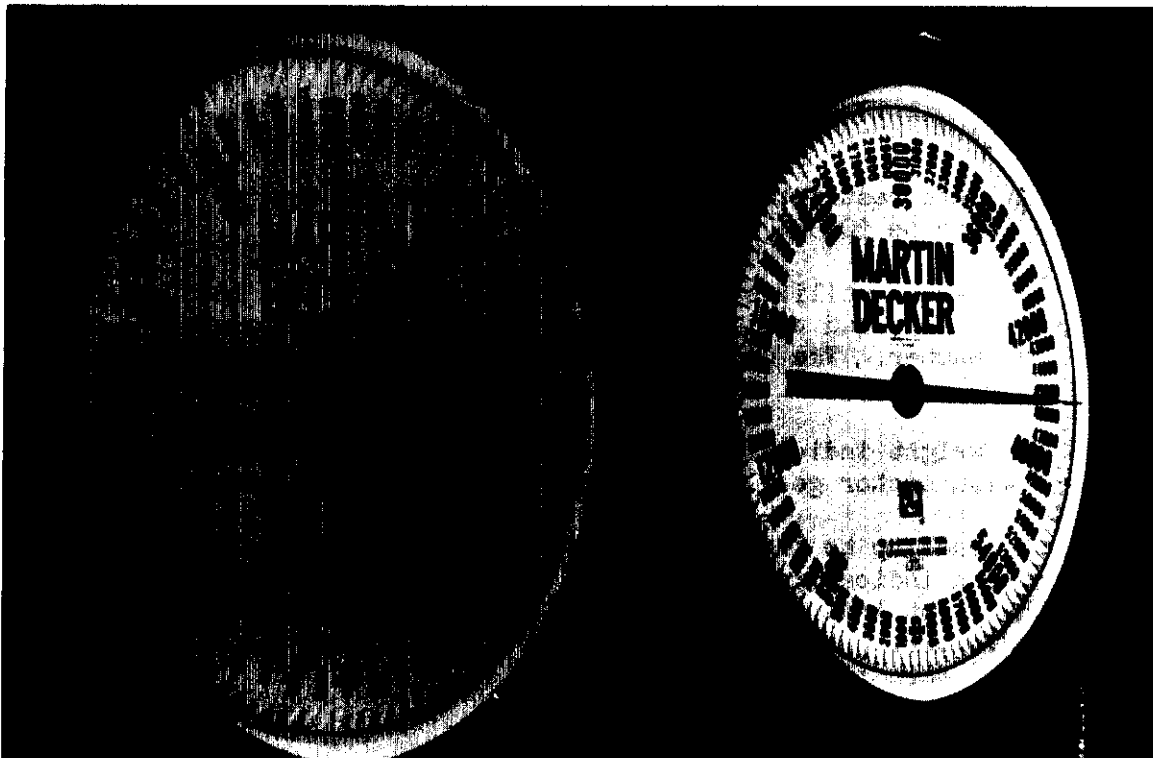
Special Conditions:

1. These scales are restricted to the weighing of wood logs.
2. Tolerance is to be  $\pm 0.50\%$  of applied load.

Description: This scale utilizes a closed hydraulic system for load sensing and indication. The load cell is equipped with a diaphragm operating in an oil filled chamber. The weight indicating units are mounted remotely from the load cell, to which they are connected by hydraulic hose.

The weight indicators utilize pressure gauge mechanisms of bourdon type with sector gear and pinion drives to the indicator pointers.

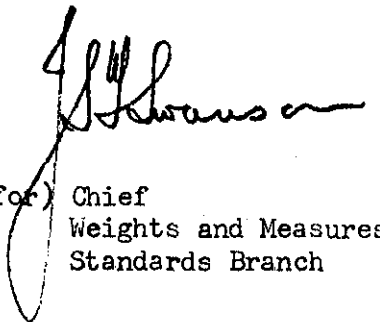
At loads up to the capacity of the light load dial, weight is indicated on both indicators. A pressure sensitive isolating valve acts to protect the light load indicator at scale loads above the capacity of the light load indicator.

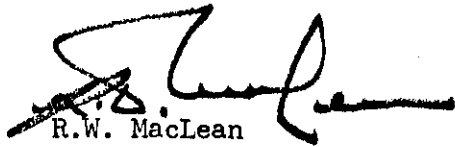


Testing: Reference force standards used for testing of these scales shall be accurate to  $\pm 0.05$  of applied load.

References: SW - 85 - M18  
SL - 102 - 621

Note: Approval is granted under the weights and Measures Act, Chapter 292, and Regulations thereunder (P.C. 6894) for use in Canada under the general conditions of P.C. 6894, and under any special conditions listed above.

  
(for) Chief  
Weights and Measures Division  
Standards Branch

  
R.W. MacLean  
Director  
Standards Branch