



TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA, July 8, 1955.

APPROVAL LISTING

Dormant Vehicle Scale, Electronic Type - Manufactured
by Streeter-Amet Company, 4101 Ravenswood Avenue,
Chicago 13, Illinois, U.S.A.

Under the provisions of the Weights and Measures Act, Chapter 292,
R.S.C. 1952, and Regulations thereunder (P.C. 6894), the apparatus specified and
illustrated herein has been listed as an approved device and may be used in Canada
in accordance with the conditions applicable.

Apparatus Listed: Dormant platform electronic Ametron scale, Model 100 with
print registering head; the scale may be equipped with any one
of the following recording units:

Standard Cabinet - ST, Desk - D, or Flat Top - FT.

Capacities: 80,000 lbs. to 160,000 lbs. with deck sizes ranging from 4' x 8'
to 50' x 10'.

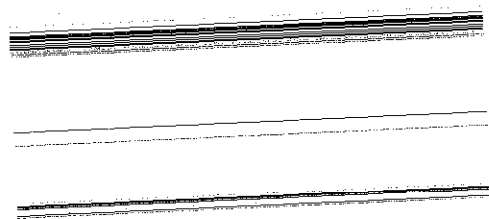
Application: To weigh loaded or unloaded vehicles.

Conditions: As prescribed in P.C. 6894 with the added requirement that the
minimum loading of the scale, for trade purposes, shall not be
less than 5,000 lbs.

Description: This device is a dormant scale with the deck supported by a
multiplicity of temperature compensated electronic Baldwin-
Lima-Hamilton load cells used in compression. Each load cell
consists basically of a calibrated steel column with strain
gauges bonded to the column and connected electrically in the
form of a wheatstone bridge. The cell is contained in a
hermetically sealed casing. The leads from the cells are
sealed against moisture.

The movement of the weighbridge is restricted by transverse and
longitudinal check bolts rigidly anchored to the foundation and
weighbridge.

The Ametron recorder houses the amplifying unit, servo system
printing device, zero indicator with 20 lb. graduations, range
switch and printing device.



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The dial indicator is adjusted for zero by a knob on the front of the cabinet.

The dial indicator is geared directly with the weight indicating mechanism and rotates with the mechanism when a load is placed on the scale and the main switch is closed. The print switch button is operated manually when the indicator take up a position of rest at the zero indication. The printer prints in increments of 20 lbs.

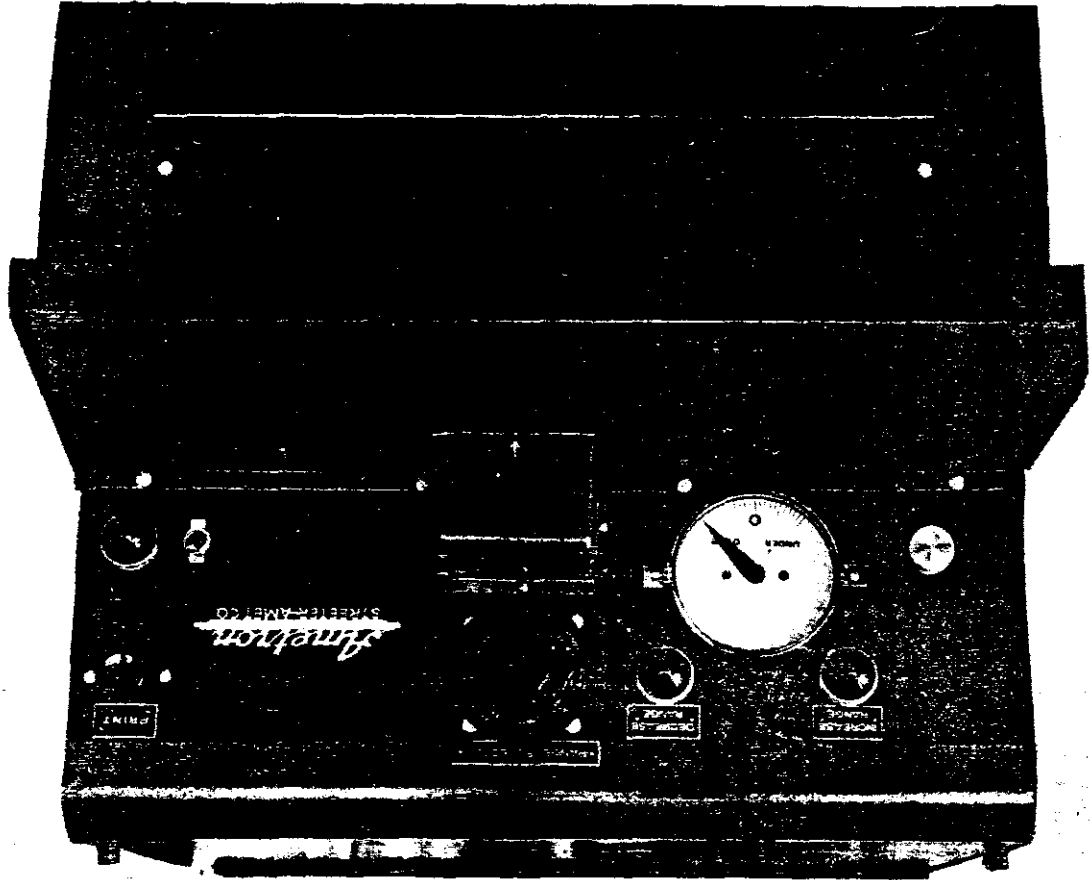
Testing:

The standard tests for a dormant vehicle scale shall apply. The minimum quantity of Standard Weights used for testing shall not be less than 10,000 lbs. and additional loads are to be supplied by the owner if necessary, to test the higher weight ranges of the scale within the limits to which the scale may be used. When 10,000 lbs. of weights are used as the standard weight with or without a load the Inspector will insure that the errors are not greater than one print increment of 20 lbs. on the Standard Weight used.


C. S. Phillips,
Assistant Director (W&M),
Standards Division.


E. W. MacLean,
Director,
Standards Division.

Reference: A-540



NOTE: The serial number will follow the recording unit letter symbols which will be stamped on a plate permanently affixed to the registering head. Only the upper section of the recording unit is shown in this reproduction.

ST

STANDARD CABINET

RECORDING UNIT

MODEL 100 AMPEREX SCALE

SD-WA.220