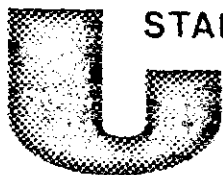




Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

S.WA-770

OTTAWA October 31, 1969.

Approved: TORSION BALANCE PROJECTION INDICATION SCALES - MODELS PL-1, PL-12

manufactured by The Torsion Balance Co. (Canada) Ltd., 4927 Sherbrooke Street W., Montreal, Quebec.

Apparatus Listed: Counter Scale, equal arm balance type, with projection weight indication, and with knob control of tare and unit weight loading.

Model PL-1 - Capacity, 1 Kilogram
Model PL-12 - Capacity, 2 Kilograms

These scales carry the trade name "TORBAL".

Rating of Apparatus: Maximum capacities are as listed above.

Application: The weighing of drugs and other relatively expensive commodities in trade.

Description: These balances are equal arm type, operating on the Roberval principle. Taut metal bands acting in torsion serve as pivots. The mechanism is typical of that used in all previously-approved balances manufactured by the Torsion Balance Company.

This mechanism utilizes three rectangular frames, each of which is encircled by a taut metal band. An upper and a lower beam connect the three frames, the beams being fastened to the bands. The band encircling the centre frame is attached to the balance base and acts as the pivot point of the balance.

A graduated chart is fitted to one end of the balance beam. By means of a system consisting of light source, lenses and mirrors, an enlarged image of the chart is displayed on a viewing screen at the front of the scale.

The tare mechanism utilizes a spirally-wound resistance spring which is attached to the beam with spring loading being varied by means of a control knob.

Unit weight loading is applied to the beam by means of a control shaft which may be operated from either side of the scale. An indicator shows the number of unit weights which have been activated.

The scale base is of cast aluminum. Housings are of sheet steel and plastic. Commodity holders may be dished pans, flat platters, scoops or bowls, several sizes, in stainless steel or brass.

