



Consumer and
Corporate Affairs

Consommation et
corporations

Standards

Normes

**NOTICE OF APPROVAL
AVIS D'APPROBATION**

S.WA-399

This circular supersedes circular S.WA-399
dated May 9, 1969.

Revision 2

Ottawa, February 7, 1979

TOLEDO - HOPPER AND TANK SCALES

MANUFACTURER: Toledo Scale
Division of Reliance Electric Ltd.
Mississauga, Ontario

DEVICES APPROVED: Hopper and tank scales, models as listed below:

Scales with Fabricated Steel Levers

<u>Model No.</u>	<u>Scale Type</u>	<u>Indicator</u>	<u>Max. Gross Capacity</u>	
			<u>Pounds</u>	<u>Kilograms</u>
2352	Hopper Scale suspended	Mech. Dial	125,000	60,000
810-2352	" "	Elec. Digital	125,000	60,000
2372	Hopper Scale stand mount	Mech. Dial	125,000	60,000
810-2372	" "	Elec. Digital	125,000	60,000
2382	Tank Scale stand mount	Mech. Dial	125,000	60,000
810-2382	" "	Elec. Digital	125,000	60,000
2383	Tank Scale low profile	Mech. Dial	125,000	60,000
810-2383	" "	Elec. Digital	125,000	60,000

Scales with Cast Iron/Steel Levers

2351	Hopper Scale suspended	Mech. Dial	50,000	24,000
810-2351	" "	Elec. Digital	50,000	24,000
2371	" "	Mech. Dial	20,000	10,000
810-2371	" "	Elec. Digital	20,000	10,000
2381	" "	Mech. Dial	20,000	10,000
810-2381	" "	Elec. Digital	20,000	10,000

APPLICATION: The weighing of free-flowing solids or liquids in trade.

DESCRIPTION: These scales are torsion lever type, utilizing two L shaped lever assemblies. Fabricated lever models are welded assemblies utilizing steel pipe torsion shafts. Cast Lever models have solid steel shafts with arms of cast construction. Pivots and bearings are of hardened steel and interchangeable. Bearings are self-aligning. Link suspension bearings are utilized in supporting the lever assemblies of stand-mounted scales.

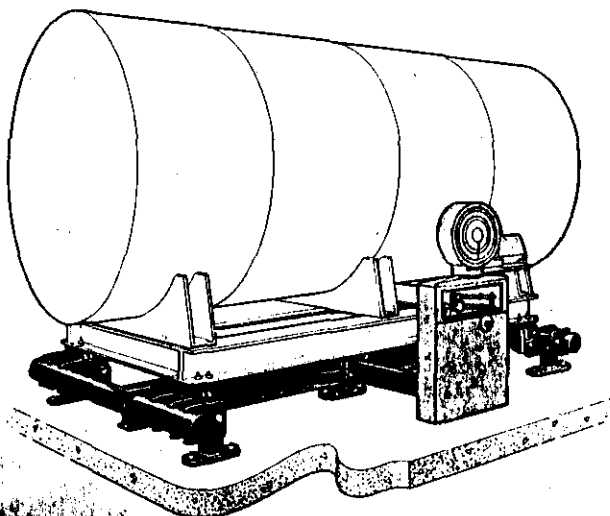
Scales with mechanical dial indication may utilize any of several approved types of Toledo dial heads depending upon whether the head is to be installed above or below the lever system, and whether or not beams and unit weights are to be utilized. A weight printer may also be included.

Scales with electronic digital indication utilize a Toledo Lectrolever system with the indicator receiving input from a strain gauge load cell installed in the steelyard/pullrod. The system may incorporate any approved model of Toledo electronic digital indicator with which it is compatible. Notice of Approval No. S.WA-805 refers.

TESTING: The standard tests for hopper and tank scales shall apply.

REFERENCE: G6922-T170-11.

CONDITIONS OF APPROVAL: Approval is granted under the Weights and Measures Act, S.C. 1970-71-72, Chapter 36, and the Weights and Measures Regulations P.C. 1974-1461 of June 27, 1974 for use in Canada under the general conditions of the said Regulations, and under any special conditions listed above.



John Armstrong

John Armstrong
Chief, Weights and Measures
Legal Metrology Branch

The Toledo low profile lever system supports a cylindrical tank. The splice arms are recessed between the twister permitting the indicator to be located as close as possible to the tank. The dial indicator has Print-out and other options.