■✶ Consumer and   Consommation et
   Corporate Affairs   corporations

   Legal Metrology   Mètrologie Lègale

SHORT FORM – Version Abrégée

S.WA-1187

Approval No. d'approbation

Ottawa , July 14, 1980

NOTICE OF APPROVAL – AVIS D'APPROBATION

CARDINAL DWI-80 (or DASH -80)

Manufacturer: Cardinal Scale Manufacturing Company
               P.O. Box 151
               Webb City, Mo.
               U.S.A. 64870

Type of Device: Electronic Digital Weight Indicator.

Model No.	Capacity	Load Cell
DWI-80 (or DASH -80)	Limited to approved capacity of weighing system interfaced with. There are 6 active digits for displaying weight. The number of graduations are from 500 to 20,000 (Switch selectable). The graduation values can be set for 1, 2 or 5 with multipliers of (1) x 0.001 (2) x 0.01 (3) x 0.1 (4) x 10.0.	Up to 4 on this indicator, this can be increased to a max. of 8 by the use of a Section Seal and Power Supply Junction Box.

Approved Accessories: Any approved compatible printer.

Application: For use on industrial and heavy duty weighing systems.

Device Description: This is a fully electronic digital weight indicator.
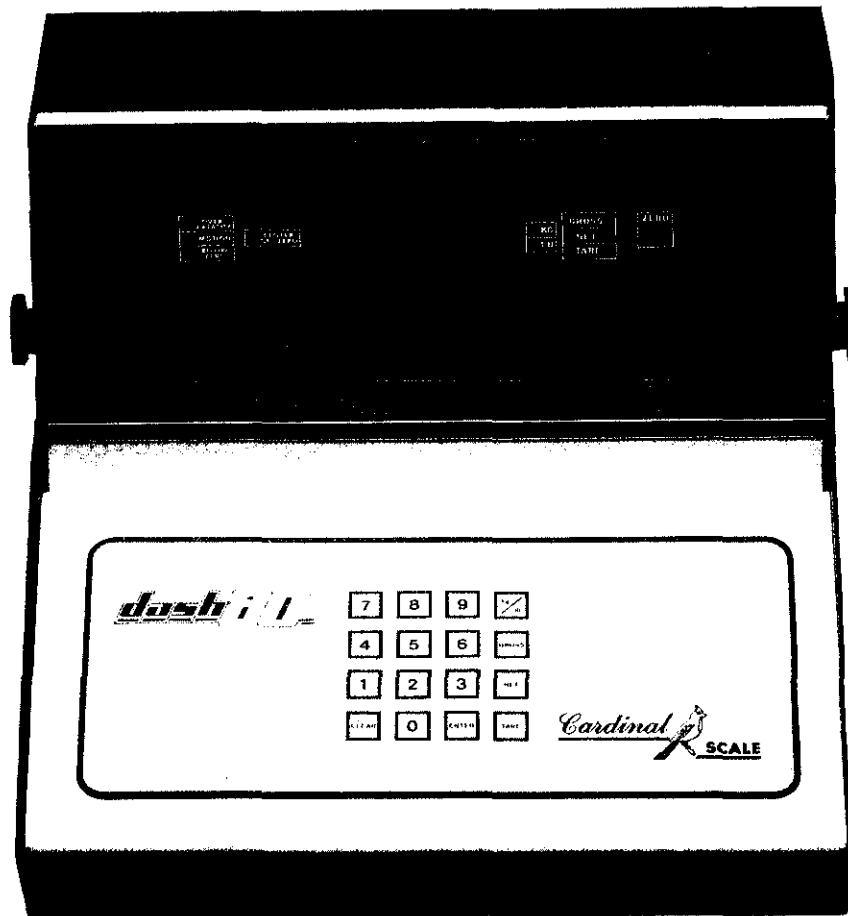   The display panel consists of:
   a) 6 active digits for displaying weight,
   b) indicators for, Center of Zero, LB/Kg, Gross, Tare, Net, Polarity,
               Over Capacity, Motion and Below Zero.

This indicator can be rack mounted (DWI-80RM) or desk mounted (DWI-80).

A number of options are available with this indicator and they are:

1) LB/Kg conversion
2) Keyboard tare
3) Pushbutton tare

This write up reflects the DWI-80 desk mount with the above options.

Device Description (Cont'd):

The standard controls on this indicator are:

1. Zero Pushbutton - is recessed into the display panel and is operated by a special thin tool.

2. Auto Zero/Reset Switch - located on the back of the indicator, in the up position enables the auto zero circuitry, in the down position will initiate a power up sequence that will verify the display

Device Description (Cont'd):

The optional controls for this indicator are contained on a TARE keyboard and are as follows:

The tare keyboard is a sloped panel on the front of the indicator, it is of the touch pad type and consists of the following:

1. kg/LB key - used to change the units of measurement.
2. GROSS key - when pressed will cause the gross weight to be displayed.
3. NET key - places the indicator in a NET weight mode.
4. TARE key - places the indicator in TARE mode.
5. CLEAR key - used to reset any tare entered to zero, this key is active only in the tare mode.
6. Numeric keys 0 to 9 - these keys are used for entering tare values. They are only active with the indicator in the tare mode and the clear key operated, as each number is pressed its value will be displayed.
7. ENTER key - when the desired tare value is on display, pressing of this key will store the tare value.

To enter a scale tare operate the tare key then the enter key, the weight indicated on the scale will be stored as a tare entry.

To enter keyboard tare, operate tare key, then clear key, then enter desired value with Numeric keys and finally press enter key.

A tare entry error message will be shown on the display as CODE 01 if one or more of the following conditions exist:
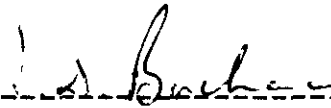
1. Scale weight below zero when entering scale tare;
2. Scale in motion when entering scale tare;
3. Overcapacity indication when entering scale tare;
4. Overcapacity value when entering keyboard tare.

The analog zero and span controls are sealed with a wire through a drilled head screw to a tab washer, and is located on the top back of the instrument.

Special Conditions: The sealing means is exempted from providing ready access to other components or adjustments as per SGM3/10.

APPROVAL is granted under the Weights and Measures Act, S.C. 1970-71-72, Chapter 36, and the Weights and Measures Regulations C.R.C.c., 1605 for use in Canada under the general conditions of the said Regulations and under any special conditions listed above.

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