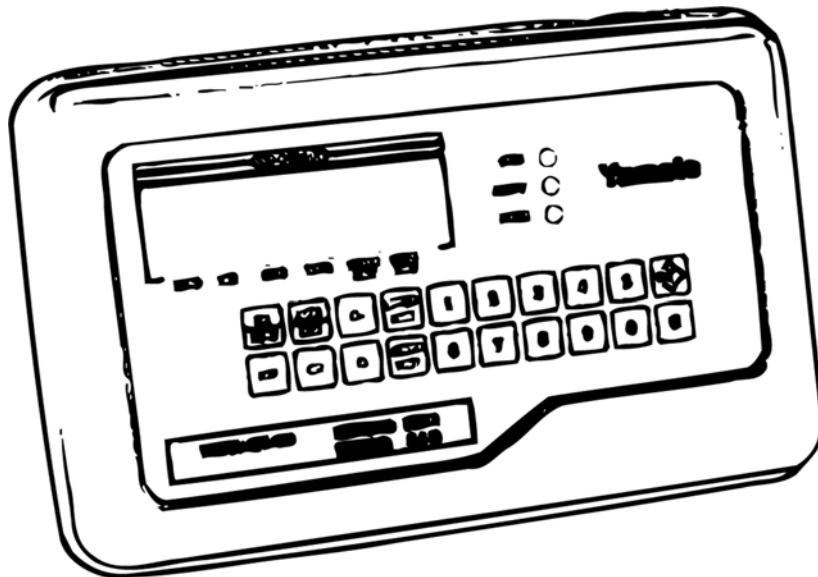


DIGITAL INDICATORS

MODEL DPI-320 OPERATING INSTRUCTIONS



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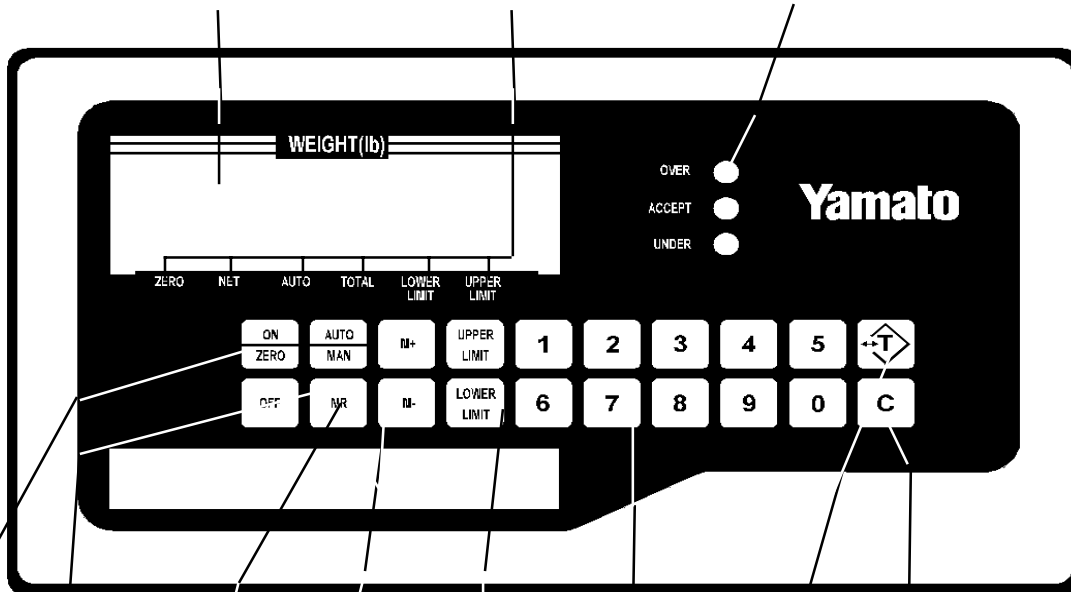
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Table of contents

SECTIONS	DESCRIPTION	PAGE
1	Display and key functions	3
2	Set-up	3
3	ON/ZERO, OFF and AUTO/MAN keys	4
4	Taring	5
5	Setting upper and lower limits	6
6	Manual Accumulation	7
7	Automatic Accumulation	8
8	Memory Recall	8

SECTION 1: DISPLAY AND KEY FUNCTIONS

Display: LED 6 digits Function indications Over, Under and Accept indications



Power ON Automatic/ Power OFF Memory Limit keys Numeric keys Tare Clear
Center zero Manual
Accumulation

SECTION 2: SET-UP

1. Unpack scale and place on flat, stable surface. Adjust feet, if necessary, until bubble level indicates a level condition (figure 1).
2. The bolt located at the bottom of the column should be factory set to leave a 3mm (1/8") space between the bolt and floor surface (figure 1)

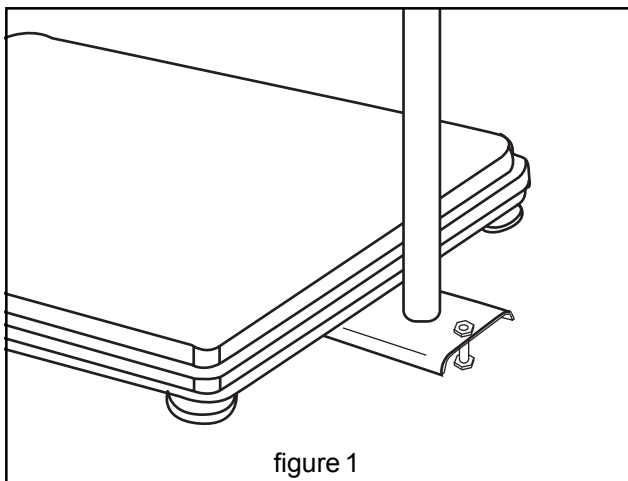


figure 1

3. Plug cord into a grounded AC wall outlet (120 V).
4. Remove any protective plastic from the stainless steel base.
5. Press the **ON/ZERO** key. The scale is now ready for operation.

SECTION 3: ON/ZERO, OFF and AUTO/MAN KEYS

1. ON/ZERO key

a) Display ON:

Press **ON/ZERO** after plugging the scale into an AC outlet. All segments of the display will flash for approximately 10 seconds, followed by a weight display of zero and a center zero indication.

b) Zero reset:

If a scale deviation of over 0.25 display divisions from the zero point occurs, with no load on the platform, the center zero indication will go out (even if the weight display shows zero).

Press **ON/ZERO**, the scale will automatically return to the center zero point and the center zero indicator will be lit.

2. OFF key

a) Display OFF:

Press **OFF**. The scale will turn off and all indicator lights will be blank.

3. AUTO/MAN key

a) Accumulation mode:

The automatic and manual accumulation modes are alternately selectable by pressing **AUTO/MAN**.

In the automatic accumulation mode, the weight displayed is automatically added to the memory of the indicator when the scale is in a stable condition.

SECTION 4: TARING

1. Automatic Taring:

Confirm that the center zero indicator is lit, then place the container on the platform. Press **TARE** to enter the tare weight. The weight display will indicate zero and the NET indicator will be lit.

If the container is removed from the platform, the center zero indicator will be lit and the weight display will indicate the tare weight of the container with a minus sign in front of it.

To change the tare value, place the new container on the platform and press **TARE**. The new tare value will automatically replace the old one.

2. Preset Taring:

Use the numerical keys to enter the known tare value and press **TARE**, the NET indicator will be lit.

Example: Capacity 160 lb x 0.05 lb

	Procedure	Key Operation	Weight Display
1	Set tare weight	5 5 0	F 5.50
2	Press TARE key	T	- 5.50

3. Clearing Tare value:

Simply press **CLEAR** and the tare value will be removed. The NET indicator will go out.

SECTION 5: SETTING UPPER AND LOWER LIMITS

1. Upper and lower limit setting procedure:

Example:
 Scale Capacity: 3.2 lb Upper Weight Limit: 1.500 lb
 Min. Increment: 0.001 lb Lower Weight Limit: 1.480 lb

Procedure	Key Operation	Weight Display
1 Press UPPER LIMIT ¹ key	UPPER LIMIT	H 0.000
2 Set upper weight limit	1 5 0 0	H 1.500
3 Press LOWER LIMIT key	LOWER LIMIT	L 0.000
4 Set lower weight limit	1 4 8 0	L 1.480
5 Press LOWER LIMIT ² key to return to weighing mode	LOWER LIMIT	0.000

Note: (1) (a) There is no precedence in the order of setting the upper and lower weight limits.

(b) Accumulation of weights into the indicator memory will not occur when the display shows upper limit or lower limit.

(2) (a) The limit setting mode and the normal weighing mode are alternately changeable by pressing the limit key.

(b) If the lower weight limit is set higher than the upper weight limit, the indicator will ignore the lower limit and only the upper limit indication will function.

2. Entering weight limits into memory:

The last used weight limits can be retained into memory by pressing the **OFF** key prior to unplugging the scale.



Weight limits in the memory are automatically cleared when new weight limits are entered.

SECTION	6: MANUAL	ACCUMULATION
Key to be operated	Function Performed	
M+ key	<p>Weight displayed is added to accumulated total weight stored in the memory, a beeper will indicate data transfer.</p> <p>Note:</p> <p>Accumulation <u>will not</u> function unless weight display reads zero prior to weighing.</p> <p>Note:</p> <p>If the accumulated total weight is greater than or equal to 9999.00 lbs, 9999.xx will appear on the display. Press CLEAR to return to the normal weighing mode and to reset the memory. The scale will not resume weighing until CLEAR is pressed. Accumulation will now resume from zero pounds.</p>	
M- key	<p>Weight displayed is subtracted from accumulated total weight stored in memory.</p> <p>Note:</p> <p>Accumulation <u>will not</u> function unless weight display reads zero prior to weighing.</p> <p>Note:</p> <p>If accumulated total weight is below zero, the total weight prior to pressing the M- key will be displayed rather than subtracting the displayed weight.</p>	

SECTION 7: AUTOMATIC ACCUMULATION

Note: Accumulation in Automatic mode will not function unless the weight display reads zero prior to weighing.

Automatic or Manual mode of weight accumulation can be alternately selected by pressing **AUTO/MAN**. The AUTO indicator will be lit in Automatic mode, no indication in manual mode. In the Automatic accumulation mode, when scale reaches a stable condition, a beeper will signal that the displayed weight has been automatically added to the memory.

Key to be operated	Function Performed
MR key	<p>1) Press MR to display the total accumulated weight:</p> <p style="text-align: center;"></p> <p>2) Press MR twice to display the total number of weighments (up to four digits):</p> <p style="text-align: center;"></p> <p>3) Press MR again to return the indicator to the normal weighing mode.</p>

Note:

This indicator can store up to **six** digits of total accumulated weight and four digits of total weighments. When the scale is in automatic accumulation mode, the indicator will not accumulate any individual weighment which weighs less than **twenty** graduations. For example, a scale which has a minimum graduation of 0.01 lbs will not auto-accumulate a weighment which is less than 0.2 lbs.

DPI-320

Operation Manual

Example:

Scale Capacity: 160 lb
 Min Increment: 0.05 lb

Tare weight: 1.0 lb
 Net weight: 3.00 lb / weightment A
 Net weight: 5.00 lb / weightment B
 Net weight: 8.00 lb / weightment C

	Procedure	Key Operation	Weight Display
1	Preset Tare	1 0 0 T	- 1.00
2	Place Weightment A with tare container on platform		3.00
3	Add Weightment A to memory	M+	3.00
4	Remove Weightment A and tare container from platform		- 1.00
5	Place Weightment B with Tare container on platform		5.00
6	Add Weightment B to memory	M+	5.00
7	Remove Weightment B and tare container from platform		- 1.00
8	Place Weightment C with Tare container on platform		8.00
9	Add Weightment C to memory	M+	8.00
10	Remove Weightment C with tare container from platform		- 1.00
11	Recall accumulated total weight (1)	MR	16.00



12	Recall accumulated total weight ¹	MR	--- .
13	Recall accumulated total number of weighments	MR	-- 3 --
14	Return to normal weighing mode ²	MR	- 100

Note: (1) Stored data can be cleared at anytime while in the recall mode by pressing the **CLEAR** key.

(2) If successive data accumulations are required to get a grand total or day total, press the **MR** key without clearing the stored data.