

MS-2500/MS-3800/MS-3900/MS-4600/MS-5400

Calibration Manual

Software ver. UP1911 V1.12

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PRECAUTIONS

READ this manual BEFORE operation or servicing this equipment.

FOLLOW these instructions carefully.

SAVE this manual for future reference.

DO NOT allow untrained personnel to operate, clean, inspect, maintain, service or tamper with this equipment.

ALWAYS DISCONNECT this equipment from the power source before cleaning or performing maintenance.

Note: If the unit has been stored or transported in below freezing temperatures, allow the unit to warm up to room temperature before turning on power.

PAY SPECIAL ATTENTION TO ALL “WARNING” SYMBOLS



IMPORTANT



ELECTRICAL WARNING

GENERAL INFORMATION

Before connecting or disconnecting any internal electronic components or interconnecting wiring between electronic equipment, always remove power and wait at least 30 seconds. Failure to observe these precautions could damage or destruction of the equipment.

FCC COMPLIANCE STATEMENT

WARNING! This equipment generates, uses and can radiate radio frequency and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference in which case the user will be responsible to take whatever measures necessary to correct the interference.

KEY AND FUNCTIONS

KEY FUNCTIONS

* **ON/OFF** Press to switch scale on and off.

ZERO KEY Press to zero the scale.

BMI Press to enable BMI function.

* **HOLD** Press to lock weighing result.

* **UNITS** Press to select weighing units between kg,lb,st

ENTER Press to confirm the function or numeral key.

CLEAN Cleaning error input of numeral key.

Key Pad 0~9 Entering numeral 0~9

PRE-SET TARE Press to set pre-tare weight.

* **SEMI AUTO TARE** Press to tare the weight of current loading object.

PRINT Press to print result.

* **4key type indicator**

FUNCTION SETTING DESCRIPTION

Unit (Units) : (Kg / Lb / St) set up weighing unit on and off.

Grad (Graduations) : graduations 、 max capacity 、 division , refer to figure (1)

Wt.-d (Weight Section Division) : multi division set up

Auto0 (Auto-Zero-Tracking-Range) : zero tracking range set up (0.25d/0.5d/1d/3d/OFF)

StAb (Stable-Range) : stable range set up (0.25d/0.5d/1d/3d/OFF)

Zero (Zero Range) : zero range set up (2% / 100%)

Over (Over Load Range) : overload set up (9d / 2%)

CAL (Calibration Set) : calibration function set up

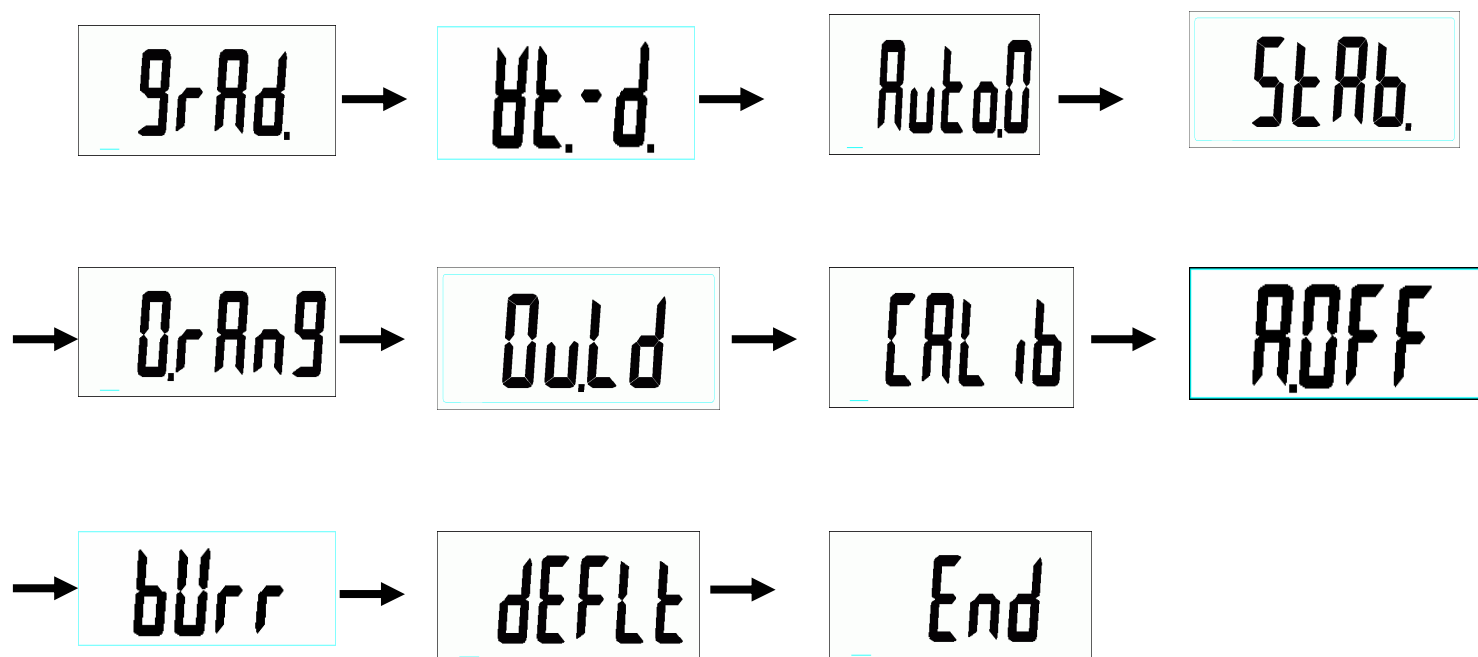
AOFF (Auto-Off Time) : auto off set up (120 SEC. / 180 SEC. / 240 SEC. / 300 SEC. / OFF)

bUrr (Buzzer) : beeper (ON / OFF)

DEFLT (Default Setup) : restore default setting

FUNCTION FLOWS

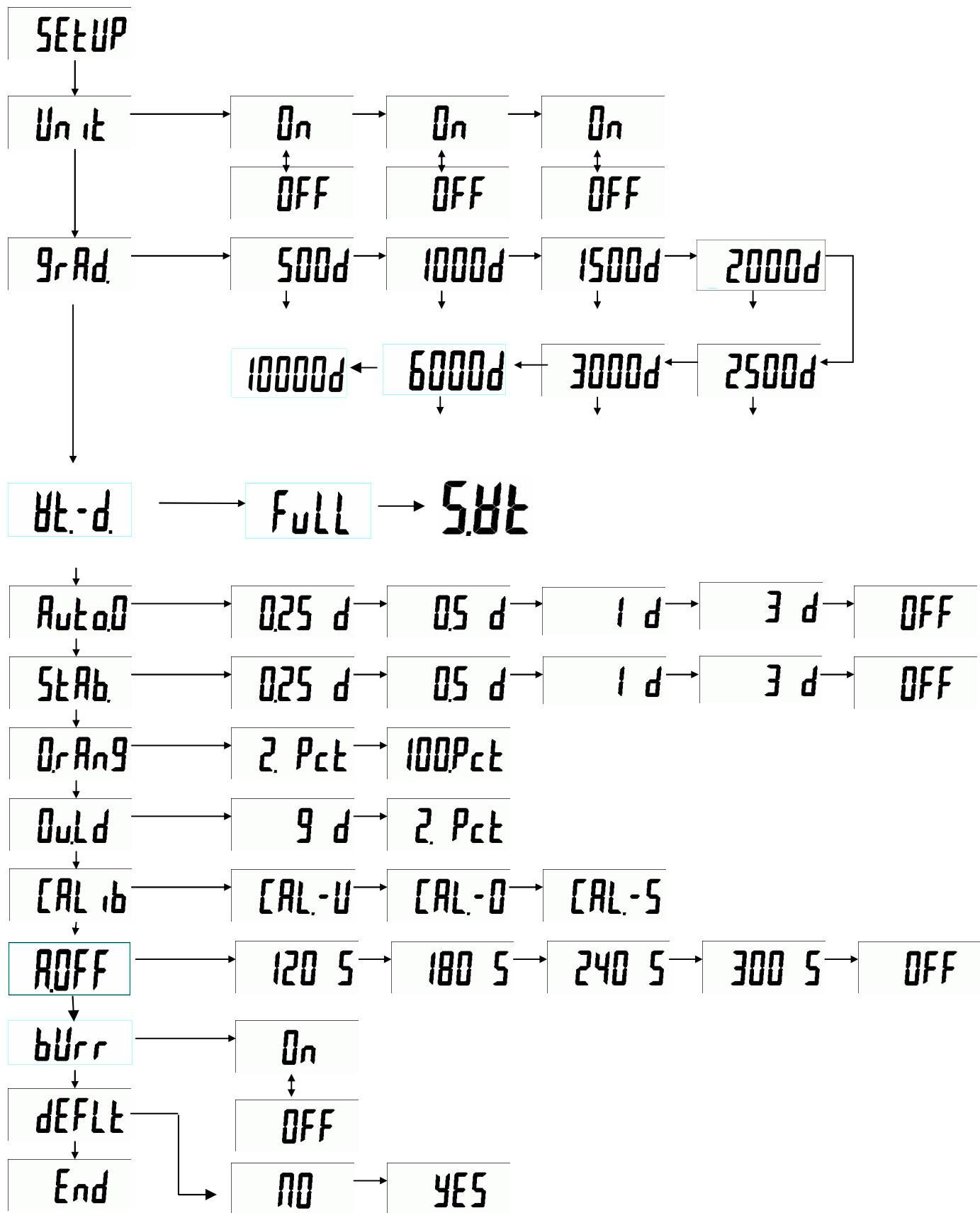
Press **ZERO** (4 key indicator: **UNIT**) for three seconds when LCD show **SETUP** then, release the button. LCD now is showing **Unit** (unit) first function in function setting mode. Following are mainstream of function flow.



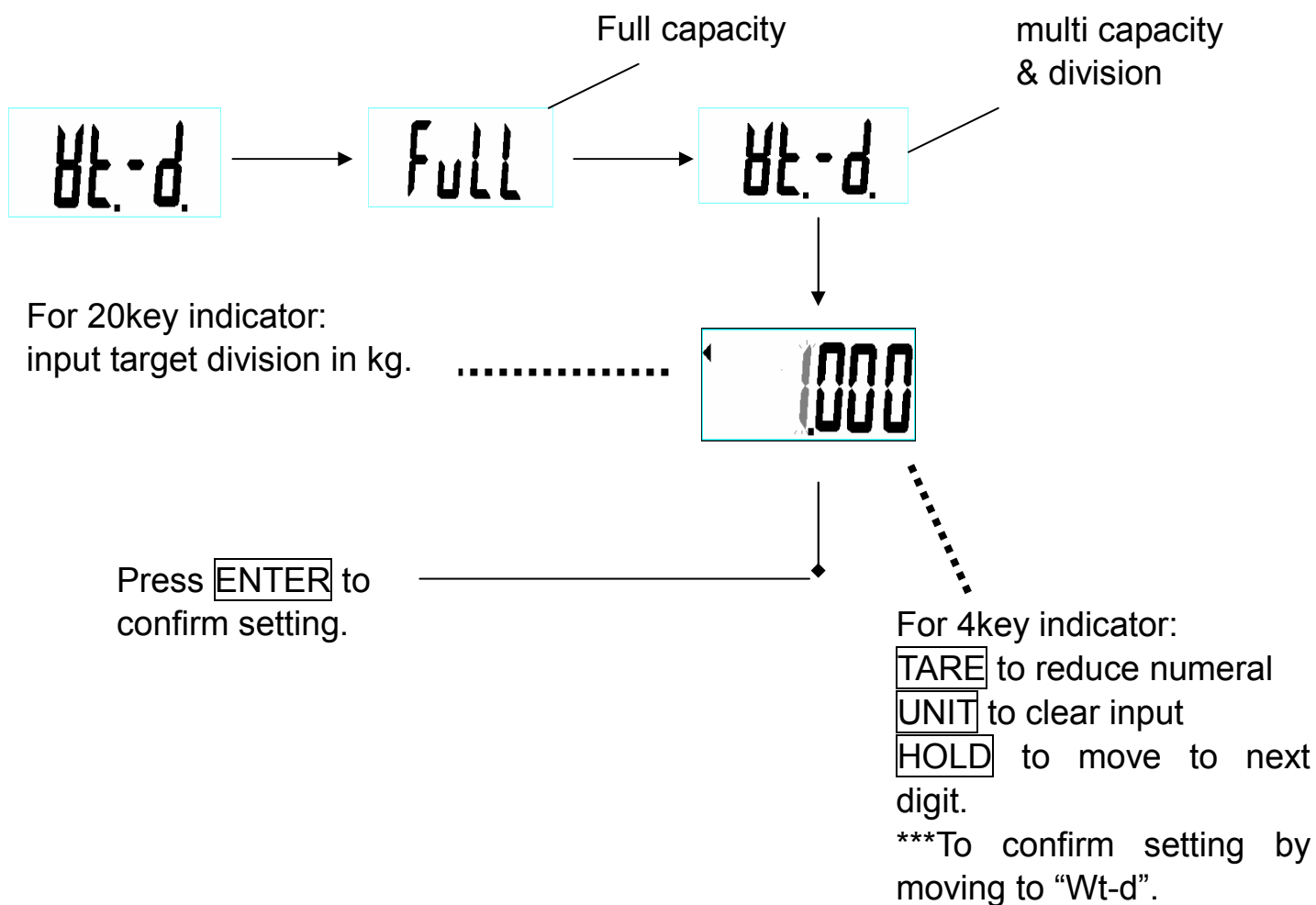
Press **SEMI AUTO TARE** to select function.

Press **HOLD** to confirm selection.

FULL FUNCTION FLOW



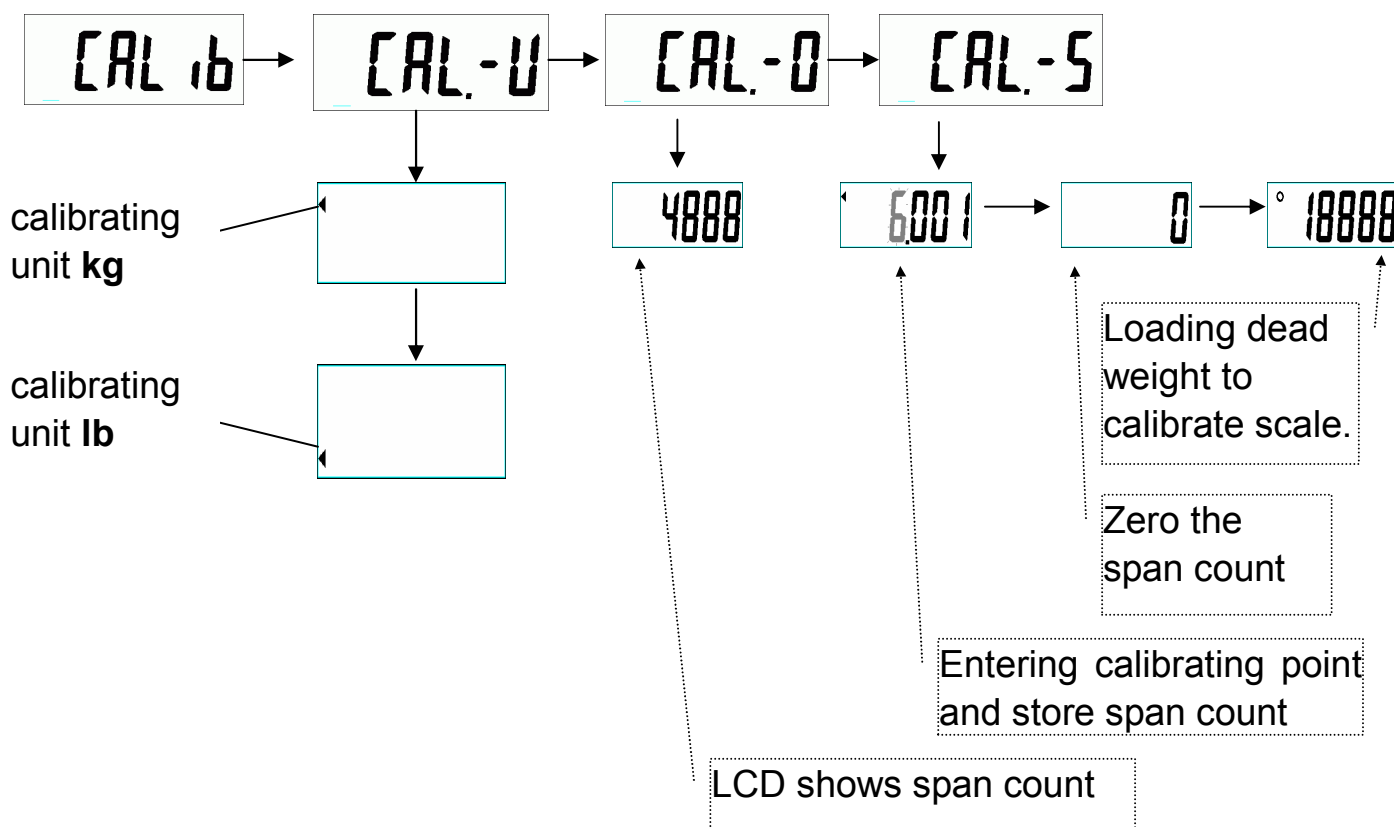
MULTI DIVISION SETTING



NOTE

- Only two divisions are accepted. For example: Max capacity 300kg, multi capacity can be 0~200kgx100g and 201~300kgx200kg. It depends on loadcell capability and standard restriction.
- Multi division setting can't be lower than 0kg. When it is at 0kg means it is full capacity now.

CALIBRATION



→ : Press **HOLD** key

↓ : Press **SEMI AUTO TARE** to select.

[CAL-U] Select between kg and lb for calibration

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[CAL-0] When LCD shows span count press **ENTER** (4Key indicator: **UNIT**) to store span count.

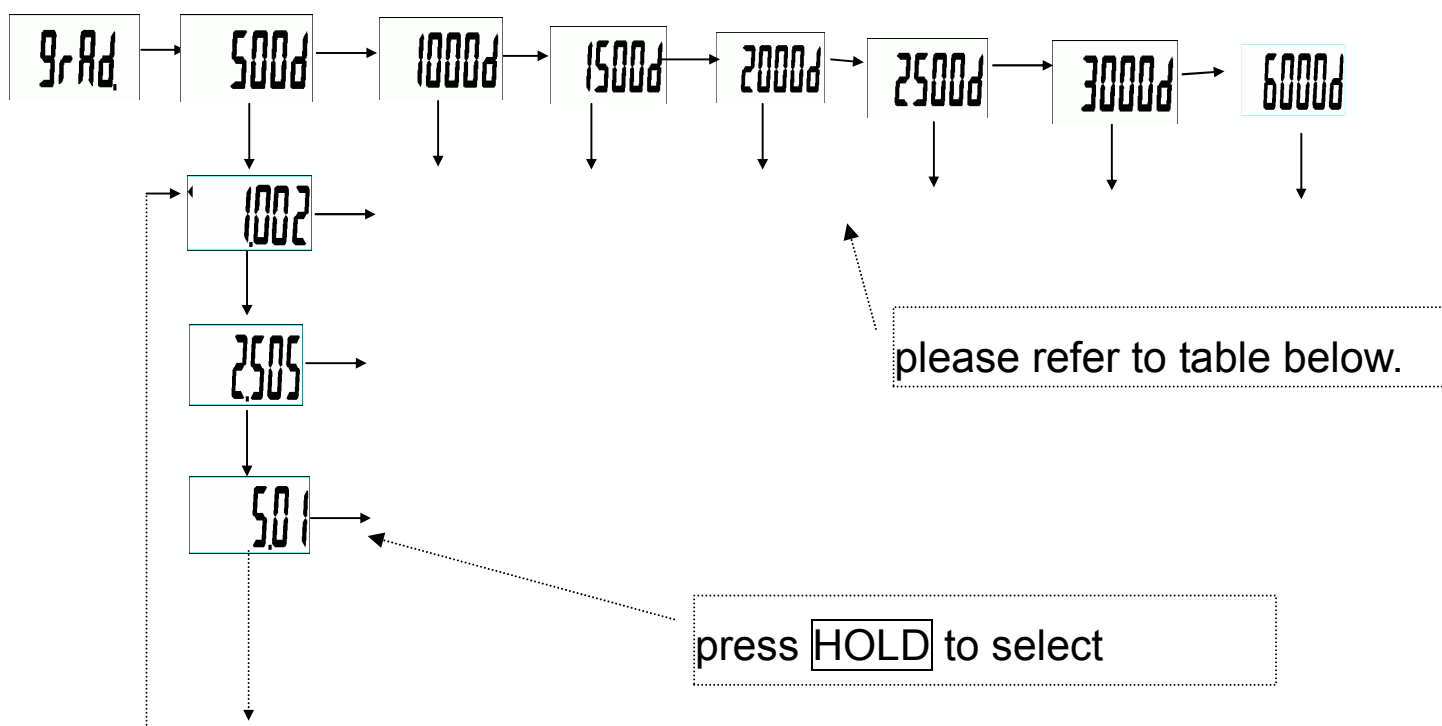
[CAL-S] First, set up calibrating point(how many kg(lb). Then press **ENTER** to zero span count. Loading dead weight up to calibrating point. Press **ENTER** to calibrate and store the result. You will back to normal mode.

For 4key indicator,

HOLD means to move to next digit and final confirm the result.

UNIT means to zero span count.

GRADUATION SETTING(OIML CLASS III)



NO.	500d	1000d	1500d	2000d	2500d	3000d	6000d	10000d
1	1.002 kg	1.001 kg	1.501 kg	1.0005 kg	1.2505 kg	1.5005 kg	1.2002 kg	1.0001 kg
2	2.505 kg	2.002 kg	3.002 kg	2.001 kg	2.501 kg	3.001 kg	3.0005 kg	2.0002 kg
3	5.01 kg	5.005 kg	7.505 kg	4.002 kg	5.002 kg	6.002 kg	6.001 kg	5.0005 kg
4	10.02 kg	10.01 kg	15.01 kg	10.005 kg	12.505 kg	15.005 kg	12.002 kg	10.001 kg
5	25.05 kg	20.02 kg	30.02 kg	20.01 kg	25.01 kg	30.01 kg	30.005 kg	20.002 kg
6	50.1 kg	50.05 kg	75.05 kg	40.02 kg	50.02 kg	60.02 kg	60.01 kg	50.005 kg
7	100.2 kg	100.1 kg	150.1 kg	100.05 kg	125.05 kg	150.05 kg	120.02 kg	100.01 kg
8	250.5 kg	200.2 kg	300.2 kg	200.1 kg	250.1 kg	300.1 kg	300.05 kg	200.02 kg
9	501 kg	500.5 kg	750.5 kg	400.2 kg	500.2 kg	600.2 kg	600.1 kg	500.05 kg
10	1002 kg	1001 kg	1501 kg	1000.5 kg	1250.5 kg	1500.5 kg	1200.2 kg	1000.1 kg
11	2505 kg	2002 kg	3002 kg	2001 kg	2501 kg	3001 kg	3000.5 kg	2000.2 kg
12	5010 kg	5005 kg	7505 kg	4002 kg	5002 kg	6002 kg	6001 kg	5000.5 kg
13	10020 kg	10010 kg	15010 kg	10005 kg	12505 kg	15005 kg	12002 kg	10001 kg