Contents

SECTION 1   INTRODUCTION

The DR series of hanging scale provides an accurate, fast and versatile series of general purpose weighing scale.
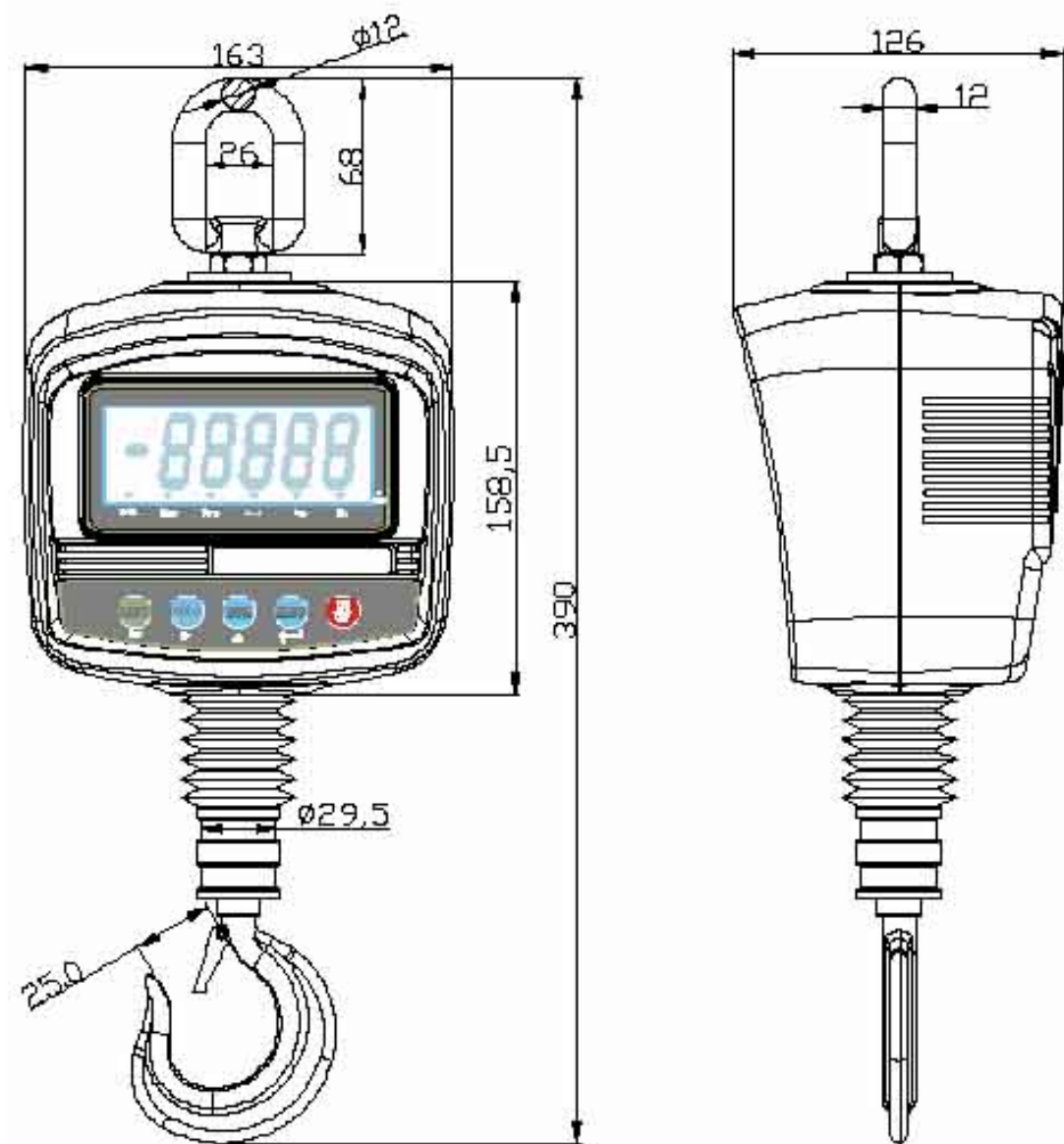
1. 1   FIGURES

◆ Large bright LCD (digit height 25mm) display with wide view angle
◆ Selectable units from kilogram (kg), pound (lb)
◆ Overloading safety up to 300%
◆ Tare; Zero; Hold function
◆ Auto-zero tracking; Setpoint control; Power-saving mode
◆ Remote control included with control distance 20 m
◆ One charge can be lasting up to 35 hours
◆ Low power indication and auto power off

1. 2   SPECIFICATIONS

Model	DR-30	DR-60	DR-150	DR-300	DR-600
Capacity	30kg	60kg	150kg	300kg	600kg
Resolution	3000d	6000d			
Stabilisation Time	1 Seconds typical				
Operating Temperature	0°C - 40°C / 32°F - 104°F				
Power supply	External AC adapter, 9V 800mA; built in rechargeable battery(6V/1.3Ah)				
Calibration	Automatic External				
Display	25mm backlight LCD display; rear display optional				
Housing	ABS Plastic				

1. 3 DIMENSION

Different with 30kg.

SECTION 2   KEYBOARD AND DISPLAY

2. 1 DESCRIPTION OF KEYS

ON/OFF: power switch, use this key to turn on and turn off scale

ZERO: re-zero key, use this key to return zero reading, when in setting mode, use this key to sure setting.

TARE: use the tare key to subtracts tare values and changes the scale from gross mode (no tare) to net mode. In the setting mode, this key is used to increase the value.

HOLD: reading lock key, use this key to lock reading, in calibrate mode, use this key to change decimal point.

UNIT: Press the key, the scale can to select units. It has two units, kg and lb.

When you weigh, press this key, you can see the conversion of the units.

when in setting mode, use this key to escape setting

2.2 Remote controller key function(30kg without this function):

1.TARE   2. ZERO   3.UNIT   4.HOLD

2.3 DISPLAY

BATT.: battery indicator. The battery should be charged when the symbol is on. The scale will still operate for about 30 minutes after which it will automatically switch off to protect the battery.

Zero: zero indicator, when this indicator on, scale in zero point.

Tare: tare indicator, this indicator on means current weight is the net weight, which has been subtracted the tare values. you can press the TARE key to

return gross weight mode.

Hold: lock indicator, when this indicator on, scale in reading data lock mode, you can press HOLD key to return normal weighing mode

Kg.: weighing unit, kilogram.

lb.: weighing unit, pound.

SECTION 3   OPERATION

3. 1 GENERAL INSTRUCTION

1. Please read this manual carefully before you operate the hanging scale.

2.   When battery goes low, the BATT icon will be display. It is the time to charge the battery with the special charger.

3. If you will let **DR** hanging scale deactivate for a long time, please note you also need change the battery every three months

3. 2 BASIC OPERATION

3.2.1   Power on and off

Please press **ON/OFF** key before you operate this scale, and press **ON/OFF**

key again after you operate this scale

3.2.2   Zero the scale

When there is no item on the scale but reading is not zero, press the **ZERO** key to make re-zero reading.

3.2.3   Reading lock

When reading is not stable, you can use **HOLD** key to lock reading, so you can read easily, after you read, press **HOLD** key again to return normal weighing mode.

3.2.4   Overload Warning

Please do not add item that is over the maximum capacity. When reading "--oL-" , remove the item on the hook to avoid damage to the load cell.

SECTION 4 BATTERY CHARGING

1. Please use the special charger to charge battery, use other types charger will be danger.

2. Please assure you AC power meet the rating of charge.

3. When the battery needs charging a symbol on the weight display will turn on. The battery should be charged when the symbol is on. The scale will still operate for about 30 minutes after which it will automatically switch off to protect the battery.

4. The battery should be charged for 12 hours for full capacity.

5. Just on the right side of the display, these is an LED to indicate the status of battery charging. When the scale is plugged into the mains power the internal battery will be charged. If the LED is green the battery has a full charge. If it is Red the battery is nearly discharged and yellow indicates the battery is being charged.

6. As the battery is used it may fail to hold a full charge. If the battery life becomes unacceptable then contact your distributor.

SECTION 5   CALIBRATE

1) Turn off the power if you are using the scale.

2) Press **TARE** key during selfchecking(power on).

3) Display shows "*F0 CAP*", use **TARE** key to select the calibration mode, then the display will show "*F9 CAL*".

4) Press **ZERO** key to enter calibrate, display shows "*UnLd*"

5) Empty the hook, after **Hold** indicator on, press **ZERO** key to sure, after some seconds, zero calibrate completely.

6) After zero calibrate, display shows span calibrate mass weight, you can change this weight, (use **HOLD** key to move the active digit, use **TARE** key to increment a digit), after input calibrate mass weight, press **ZERO** key to sure, display show "*LoAd*", add calibrate mass on hook, after **Hold** indicator on, press **ZERO** key again, please wait some seconds, span calibrate completely.

    If the calibration is acceptable the display will   return to normal.   If an error message is shown try calibration again as a disturbance may have prevented a successful calibration.

    If the problem persist then contact Taiwan scale or your dealer.
After calibration the scale should be checked to verify the calibration and linearity is correct.   If necessary repeat calibration, especially be certain the scale is stable before accepting any weight.

SECTION 6   PARAMETER

6.1 ENTER SETTING MODE

Press **TARE** key and turn on the scale, display shows "*F0 CAP*", after enter parameter setting mode, use **TARE** key to shift parameter items, use **ZERO** key to sure, use **HOLD** key to escape current setting item.

6.2 PARAMETER SETTING TABLE

FUNCTION	DESCRIPTION	DEFAULT
F0 CAP	Set capacity *30k*: 30kg *60k*: 60kg *150k*: 150kg *300k*: 300kg *600k*: 600kg	*60k*
F1 Unit	*kG*:kg *Lb*:lb *tJ*:tj	*kG*
F2 inC	Set increase value(30kg without this function) *inC 5* *inC 10*	*inC 5*
F3 AZn	Set zero tracking range(30kg without this function) *0. 5d*: 0.5d *1d*: 1d *2d*: 2d *4d*: 4d	*1d*
F4 FLt	Set filter range(30kg without this function) *FLt 1*: fast *FLt 2*: *FLt 3*: *FLt 4*: *FLt 5*: *SLou*	*FLt 2*
F5 inP	Show internal counts	
F6 bk	Backlight setting Bk auto : backlight automatically Bk of : backlight off Bk on : backlight on	
F7 oFF	Of 0 : automatic power off disable Of 3 : No operation for three minutes, the scale will power off Of 5 : No operation for five minutes, the scale will power off Of 10 : No operation for ten minutes, the scale will power off Of 20 : No operation for 20 minutes, the scale will power off	

F8 Gru	Set gravity.	
F9 CAL	Calibrate, *ULoAd*→calibrate weight→*LoAd*→complete See detail at SECTION 5	- 9 -

SECTION 7   ERROR CODES

ERROR CODES	DESCRIPTION	RESOLUTION
– – oL –	Over range	Remove weight from the scale. If the problem persist contact your dealer or Taiwan scale for assistance.
Err 4	Zero Setting Error	The scale was outside the normal auto zero setting range (4% of capacity), please check the hook is empty, or calibrate zero point again.
Err 5	Keyboard Error	Keyboard short, please check the key wire or whether the key have mechanical problem
Err 6	A/D out of range	The values from the A/D converter are outside the normal range. Remove weight from the scale if overloaded, make sure the pan is attached. Indicates the load cell or the electronics may be faulty. If the problem persist contact your dealer or Taiwan scale for assistance.
Err 9	Press zero or tare key when unstable	Wait for stability
Err 17	Tare out of range	
bA Lo	Battery low	Charge battery immediately