



OPERATING INSTRUCTIONS

Hanging scale

KW-3T



Please read this manual before using the product and follow the instructions it contains!

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FOREWORD

Congratulations on the purchase of your new crane scale. The KW-3T has been manufactured from high quality materials, specially designed for durable and reliable use. For your own safety and for the correct operation of the crane scale, be sure to read and follow these operating instructions before using it. Keep these operating instructions. Check the KW-3T for transport damage. Damaged crane scales must not be put into use.

This hanging scale is used to measure the weight of objects up to 3000 kg. Improper handling may result in injury or damage to the device. SolidHub is not liable for any damage resulting from the improper use of the crane scale or the disregard of specifications and rules of conduct of this operating manual. The operator / user must ensure the correct use of the KW-3T by trained and authorized personnel.

SAFETY INSTRUCTIONS

- Read these operating instructions carefully and follow the safety instructions described.
- Only allow instructed and trained personnel to use the crane scale.
- Close the load hook before lifting the load. Make sure that the load is securely hooked in.
- Do not use the crane scale to weigh or transport persons, animals or hazardous materials.
- Do not exceed the specified load capacity.
- Wear appropriate protective clothing, such as helmet, gloves and safety shoes, when using the crane scale.
- Do not transport loads while persons are in the danger zone.
- Loads should not be left unattended when lifted.
- Lift loads slowly and with care.
- Lift the load as vertically as possible to avoid unintended swinging.
- The center of gravity of the load should always be below the load hook.
- Balance the load correctly.
- Oscillation should be avoided. Only place the load in a stable condition.
- Lower the load slowly after weight measurement to avoid damage to the load hook and the sample, as well as operational accidents.
- Avoid impacts against the load scale. The integrated electrics may be damaged under certain circumstances.
- According to DGUV regulation 68, periodic inspections must be performed at least once a year with checklist FEM 4.004, 6.
- Modifications and changes to the device not approved by the manufacturer will void the warranty.

TECHNICAL DATA

GENERAL

Type	Unit	Value
Dimensions	mm	195 x 260 x 455
Weight	kg	11.5
Housing	mm	195 x 260 x 135
Shackle Notch	mm	95
Hook Notch	mm	40
Material Housing		Aluminium
Material Hook		Steel Alloy

MEASURING DEVICE

Type	Unit	Value
Max. Measuring Range	kg	3000
Maximum Load	kg	3750
Breaking Load	%	200
Zero Range	%	4
Display		Green LED Light
Tare Function		Up to 100 %
Working Range Room Temperature	°C	-20 – +50

BATTERY

Type	Unit	Value
Runtime	h	50
Battery Type		Li-Ion
Current Voltage	V	6
Battery Capacity	Ah	4.5

CHARGER

Type	Unit	Value
Current Voltage	V	9
Electric Current	mA	1000

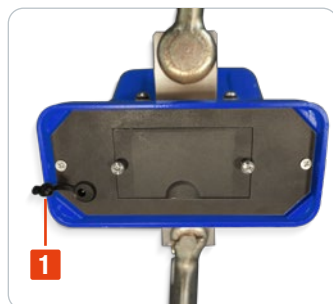
REMOTE CONTROL

Type	Unit	Value
Type		Infrared
Range	cm	15
Batteries		2 x AAA

OVERVIEW OF THE MAIN COMPONENTS

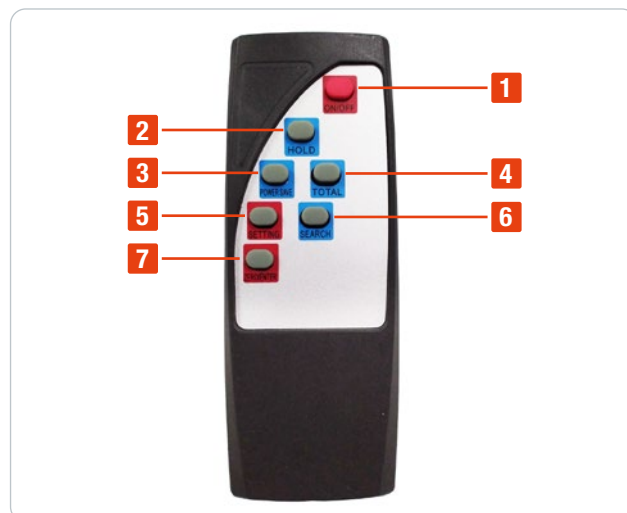
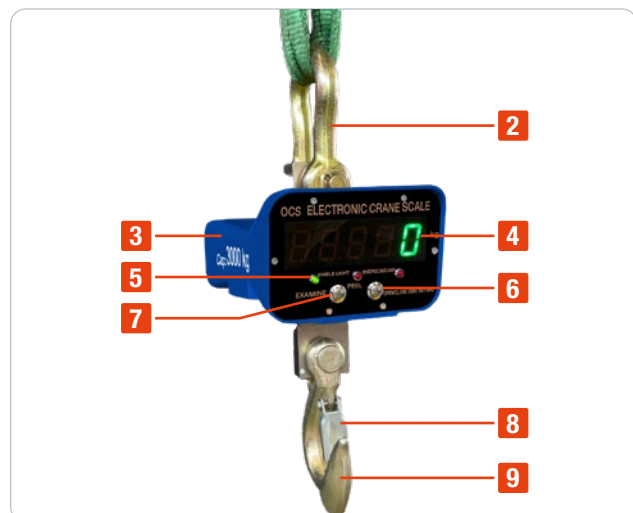
HANGING SCALE

No.	Designation
1	Charging Socket
2	Shackle
3	Housing
4	Display
5	Control Lamp
6	Power Button
7	Memory Function
8	Safety Bar
9	Load Hook



REMOTE CONTROL

No.	Designation
1	ON / OFF
2	Hold Function
3	Energy Saving Mode
4	Total Function
5	Set
6	Search Function
7	Tare Function



OPERATING INSTRUCTIONS

BEFORE WEIGHING

- Charge the crane scale before each use.
- Check that all screws and connections are tight. Tighten them if necessary.
- Check that the shackles and load hooks are firmly attached.

HANGING AN OBJECT

- Place the object to be weighed on a level surface.
- Hang the crane scale on a forklift, crane or other lifting device.
- Raise the lifting device so that you can easily attach the slings or shackles to the load hook of the scale.
- Pay attention to the center of gravity of the object to be weighed.
- The safety bar must snap shut before lifting so that the connection cannot be loosened.
- Use the tare function if the connection components (e.g. slings) are already measured.
- Switch on the crane scale before applying tension to the hook.
- Slowly drive up the lifting device. Make sure that the load does not vibrate.
- As soon as the load has been lifted completely and the left lamp lights up, the weight can be read on the display.

SWITCH ON

- Press and hold the ON / OFF switch to turn the device on.
- The device runs through a self-check.
- As soon as the digit 0 is displayed, the KW-3T is ready for use.

CHANGING THE WEIGHT UNIT

1. Press SETTING.
2. Press HOLD repeatedly until 50 000 is displayed.
3. Press ENTER. You will now see SET on the display.
4. Press ENTER repeatedly until Lb 0 or Lb 1 is displayed.
5. Press HOLD to change the weight unit. Lb 0 stands for kg and Lb 1 for pounds.
6. Press ENTER until SET is displayed.
7. Press ON / OFF to confirm.

HOLD FUNCTION

- Press HOLD.
- The currently displayed weight is saved.
- You can remove the item from the scale and the weight will still be displayed.
- Press the Hold button again to reset the weight.

TARE FUNCTION

- Press ZERO to use the tare function.
- The unit will set zero even with a weight attached.
- If the weight is removed, the crane scale, with the same amount goes to the negative range.

ENERGY SAVING MODE

- Press POWER SAVE to activate the energy-saving mode.
- This dims the light of the display.
- Press the button again to reactivate the normal mode.

ACCUMULATION FUNCTION

- Press the Total button to add the displayed weight to the total. This function can only be performed when the weight is stable and the left lamp is lit.
- Press SEARCH to display the number of accumulations.
- Press SEARCH again to see the first 3 digits of the total.
- Press SEARCH again to see the last 3 digits of the total.
- To clear the memory, first press SEARCH and then press SETTING. All saved weights should be deleted.

**Example:**

Weighed 20 times, accumulating a total weight of 325 601 kg.
The scale shows press n = 20 the first time, H 325 the second time and L 601 the third time.

SELF-SHUTDOWN

- If the display dims by itself, it means that the device is working with a lower battery voltage.
- The crane scale will switch off in the next 10 minutes.
- Briefly press the ON / OFF switch on the remote control to display the battery power.

MAINTENANCE

- Check the connections before each use. Shackles and load hooks in particular are safety-relevant components of the device.
- Perform a calibration with a comparative balance. This will increase the accuracy of the measurement.
- Check regularly if the additional functions are working as they should.
- Check the functionality of the remote control.



Charge the crane scale at least once every 3 months. Store the device in a dry place.

TROUBLESHOOTING

Error indication / problem	Error description / cause	Solution
ERR01	Accumulation error: The device does not meet the accumulation conditions	Hold the device in a steady position before weighing
Error in calibration	The weight for calibration is too low	Start the unit in hanging position
OVER	Overload of the crane scale	Hang less weight on the load hook. Caution: There is a risk of breakage if the weight is too heavy
No display after switching on	The battery is empty	Charge the battery
	The battery is damaged	Replace the battery
The battery is not charging	The charger is damaged (output should be at 7.6 - 8 V and 1 A)	Replace the charger
	The battery is damaged	Replace the battery

SERVICE & CONTACT

Contact our product experts and find help and solutions for your product. Here you will find all contact information listed by country and language: www.topregal.co.uk/en/service

Responsible for the content:
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UKCA Declaration of Conformity

The manufacturer

**TOPREGAL UK Ltd.
Carlton Drive Crumlin
Gwent NP11 4EA**

hereby declares that the following product

Product name:

Hanging scale

Type:

KW-3T

Serial number:

KW-3T-1000000000 - KW-3T-9999999999

that the equipment is in conformity with the following relevant UK legislations and applied standards:

2006/42/EC Machinery Directive

EN ISO 12100

EN 14492-1 + A1/AC

Name and address of the person who is authorized, compile the technical documentation:

TOPREGAL UK Ltd.
Carlton Drive Crumlin
Gwent NP11 4EA



Place: Crumlin UK
Date: 12.04.2021

Juergen Effner
Chief Executive Officer

SolidHub