



WEIGHING & AUTOMATION

Innovating since 1977

GUARDIAN-3 Crane Scale

Mobile App



Remote Control



MAIN FEATURES

- High Accuracy
- 7 segment 5 digit 50mm 1:5000 resolution LED displays.
- RF enabled Remote.
- Wi-Fi enabled Android application for mobile.
- Sleep mode (Programmable).
- Adaptive Brightness Control
- Self test on Power ON.
- Battery Power Indicator.
- Rugged multi-function key pad on Crane Scale/Remote.
- Certified Hook and Shackle

An ISO 9001 Certified Company



Adaptive Display Control

7 Segment, 5 Digit LED Display

LEDs for Battery Indication

Multi-functional Keypad

**CUSTOMIZATION
AVAILABLE
UP TO 100 TON**

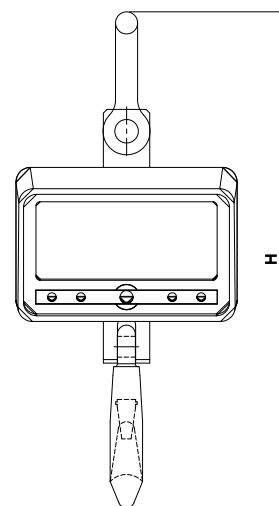
Guardian-3 Crane scale is an industrial grade portable scale on hook for measurement of weight. It can be used for indoor and outdoor purpose. The equipment comprises a strain gauge-based load cell with hook and bow shackle and related electronics. The instrument operates on a 6V rechargeable maintenance free sealed lead acid battery. All the operations of the crane scale can be carried using the remote also. The electronics and battery are enclosed in a rugged enclosure.

The 5 digit, 50mm LED Display displays the weight in kgs. The display is switched 'ON' by using the push button provided on the front panel of the scale. The system can be put on stand-by mode using sleep mode key. It will automatically be switched ON whenever a load is applied on the hook or press EXIT key in remote. The crane scale can run for 100 hrs uninterrupted in a single charge with Wi-Fi disabled and 50 hrs with Wi-Fi enabled. The battery charge level is indicated by green LEDs on the front panel.

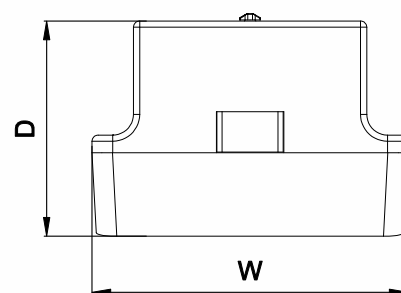
The hook and bow shackles supplied are certified as per relevant Standards.

Specifications

Parameter			
Capacity			
Model No.	CW-1	CW-2	CW-5
Safe Working Load	1t	2t	5t
Resolution	200gms	200gms	500gms
Safe Maximum Load	150% of SWL		
Proof Load	200% of SWL		
Bow Shackles	As per IS 6132/72		
Hook	As per IS 3822/66		
Environmental			
Operating Temperature	5-50°C		
Crane Scale			
Display	5 digit, 50mm, 7 segment LED Display		
Power Source	6V Rechargeable Sealed Lead Acid battery for Scale and 2 Nos. of 1.5V AA Battery for Remote		
Battery life	Scale 100 hours (without Wi-Fi) and 50 hours (with Wi-Fi) Remote control 100 hours of operation		
Brightness Adjustment	Adaptive Brightness Control		
Battery Level Indication	On display		
Sleep time	Settable from 0 – 999 second		
Remote RF Frequency	2.4 GHz		
Remote Range	50 m		
Functions possible through remote control	Tare, Calibrate, Parameter Setting		
Mechanical			
Dimensions	H-660mm W-305mm D-208mm	H-690mm W-305mm D-208mm	
Enclosure	Aluminum Casting		
Paint	Anti-corrosive orange Powder Coating		
Ingress Protection	IP-54		
Weight (including Hook and Shackle)	17kg		



FRONT VIEW



TOP VIEW

(Hook and shackle not shown)

REMOTE CONTROL

RF enabled remote control module with 5 key functional keypad

Remote Control features:

The 5 key keypad RF enabled remote control operates in 2.4Ghz frequency with a maximum operating range upto 50 meters. An LED Indication is provided to Indicate the power ON condition.

The different keys used to perform different functions are:

- Tare
- Calibration
- Gross weight reading
- Clear
- Switch ON/OFF the Scale
- Parameter Setting



HOOK

Trapezoidal Eye Hook
Proof load: 200% of SWL
IS 3822/66

SHACKLE

Bow shackle Screwed pin type with Collar and Eye.
Proof load: 200% of SWL
IS 6132/72 Part II



Mobile App

Features:

- Remote zeroing of the scale
- Totalizing of the readings
- Save for future use



- The App **Track Weights** can be downloaded from Google Play store. It can be used in Smartphones with Android version 4 or greater.
- The Scale acts as an access-point for the transmission of data.
- The mobile app is used for receiving the readings on the Scale. A distinct feature is being able to store a record of weighed values.
- This feature is extremely valuable in material handling industries, where the weight of different raw materials weighed at different times can be saved for future reference in the Smartphones.

Our range of products

- Strain Gauges
- Vibration Switch
- Loadcells
- Accelerometer
- Crane Overload Protection System
- Pressure Transducers
- Vibration Meter
- Angle Sensor
- Lorry Weighbridge
- Bagging System
- Crane Scale
- Check Weighers
- Force Calibrator
- Belt Weighers
- Tyre Inflator
- Axle Weighers
- Hopper/Tank/Silo Weighing Systems
- Vibration Transmitter
- Ladle Weighing System
- Weigh Feeder
- Handheld Vibration Meter
- Bag Check System
- Batching System
- Loss-in-weigh Feeder
- Screw Feeder
- Solid Flow-meter
- Throughput Weighing Instrumentation
- Indicators & Controllers
- Signal Conditioner
- Trip Safe
- On-line Weighing System

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