



USER MANUAL

FOR


Model - CK Series

PROVIDERS OF LIFE STYLE & INDUSTRIAL SCALES

Survey No. 28/1, Damodar Nagar, Old Nagar-Mundhwa Road, Kharadi, Pune - 411 014.
Tel: 020-30418100, Fax: +91-20-30418126, E-mail: sales@egkantawalla.com

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Note

1. Keep the scale dry, keep the scale away from water and rain, Clean the scale if necessary with dry cloth.
2. Keep the scale away from high temperature environment and wet
3. Please recharge the scale when () is on
4. Drop and impact are prohibited
5. If the scale will not be used for a long period of time, please store the scale at dry place and recharge the scale every 3 months

1. Main specs

- | | |
|---------------------------------|----------------------------------|
| 1. Accuracy: | Class III level |
| 2. Load cell sensitivity range: | 1.5 ~3.0mV /V |
| 3. Nonlinear: | <0.01%F.S |
| 4. System working voltage: | DC:5V |
| 5. Division value: | 1/2/5 auto setting |
| 6. Large LCD display connector | Sampling serial output way |
| 7. Sample Rate: | 20 times per second (can select) |
| 8. Internal resolution: | 300000~600000 |

2. Power

Input: AC 120~240V

Output: DC 12V/1A

3. Before use

- (1) Please send this product is placed in the firm and smooth place, don't place in vibration or shaking, and using bench for use on four only adjust foot, make the products to maintain steady and level bubble to adjust horizontally
- (2) Please use independent source, avoid other electrical disturbance
- (3) Please use independent source, avoid other electrical disturbance
- (4) Please turn on 2-3minutes before using
- (5) Avoid this products placed on temperature change too large and air flow strenuous sites.
- (6) when using this product, any object must be place in the center of plate, and do not exceed plate range, to ensure the accuracy

4. Power consumption

1. Approx. 25mA
2. Approx. 44mA with backlight
3. Approx. 52mA with backlight and RS232 interface
4. Battery hours per charge: approx. 160 hours(backlight off), approx. 90 hours(backlight on)

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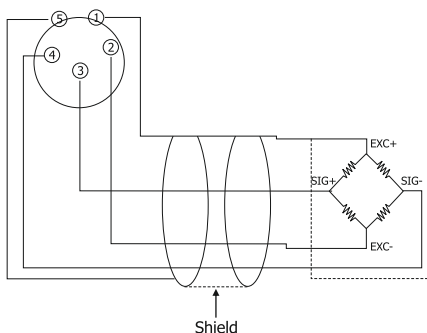
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5. The connector of load cell and indicator

- (1) The plug of load cell is 5 pins.
- (2) When the indicator in power, it is forbidden that take off the load cell plug, if take off the plug, the indicator maybe be damaged.
- (3) It is forbidden that weld the indicator, when there is thunder storm, please make solution for avoiding the thunder, in this way, It can protect the safe of scales and stuff



PIN 1: E+ (EXC+)
 PIN 3: S+ (SIG+)
 PIN 5: Ground

PIN 2: E- (EXC-)
 PIN 4: S- (SIG-)

6. Key Function And Operate Specification

- OFF** : Press and hold the **OFF** key and the weight window will show "OFF" for 2 seconds then the scale will turn off automatically
- ON** : Press the **ON** key to turn on the scale. The scale will start self-adjusting sequence then will stabilize in 0.
- UNITS** : To select desired unit in setup mode
- Z** : To reset the weight to 0, but the displayed weight value has to be less than $\pm 2\%$ of maximum capacity
- T** : Tare/Preset Tare.

Tare : To subtract the container weight. Maximum tare = full capacity

Preset Tare: Press the **【Tare】** key when do not place any object onto the pan, Use 0~9 number keys to key-in the desired Preset Tare weight value, press the **【Tare】** key to confirm

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Clear Preset Tare: Press the 【Tare】 key to clear the Preset Tare when do not place any object onto the pan

Count : Piece weight setup When place object onto the pan, use 0~9 number key and decimal 【.】 key, input piece weight, then press 【count】 key, weight window displays total weight, piece weight window display displays piece weight, total count window displays the pieces.

Sample : Use 0 ~ 9 number keys to key in the desired Sample quantity when weight window displays weight, then press the 【 sample】 Key, piece weight window displays pieces, total count window displays pieces.

Count Alarm : Press the 【Count Alarm】 key When total count window displays pieces, if total count window over 6 digits, the buzzer start to alarm:

Clear count alarm: press and hold the 【Count Alarm】 key, clear 【Count Alarm】 when buzzer beeps twice. For example: Weight window displays: 10.000Kg, piece weight displays: 100g, total count window displays: 100, after press the 【Count Alarm】 key, weighing again ,if piece of the total count over 100,the buzzer will alarm. Set point will auto cancel when turn off the scale.

M+ : Total accumulated weight and total count, the max accumulation count can accumulated 99 times.

Accumulation condition can auto setup, See UF-5 function specification

PCS WT MEM : Piece weight memory key, Input piece weight, press the 【 PCS WT MEM】 key, how to memory piece weight, For example: the piece weight is 100g, use 0~9 key to input 100, press the 【PCS WT MEM】 key, press the 【M01】 key, the piece weight will memory in 【M01】 key, the next use, press the 【M01】 key, the piece weight will display 100g, after next turn on the scale, keep the last piece weight value P1/P2: To select P1 (M01-M10)and P2(M11-M20), when the LCD points to P1, means M01-M10, Press the 【P1/P2】 key, the LCD points to P2, means M11-M20

CE : Press the CE key can clear the piece weight window.

MR : Press the MR key can display total accumulation count ,total accumulated weight and total count.

Clear accumulation: Press and hold the 【MR】 key until buzzer beeps twice, then clear accumulation

7. Standard Functions Setup

At weighing mode, press and hold the 【T】 key, then press the 【M+】 key, weight window will show UF-1, press 【T】 key or 【Z】 key to cycle select UF--1~UF--8

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Display	Function	Operate Specification
UF-1	Internal value/ display battery voltage	Press 【M+】 key to enter, weight window displays internal value (SPAN), piece weight window displays battery actual voltage, total count window displays internal value(zero), press 【CE】 key to exit
UF-2	Piece weight auto-average	Press 【M+】 key to enter, display AAUG 1 (factory default), Use 0 and 1 keys to enable or disable auto-average function, Press 【M+】 key to confirm, press 【CE】 key to exit AAUG 0: Disable AAUG 1: Enable
UF-3	Auto power-off	Press 【M+】 key to enter, Use 0~9 keys to enter auto power-off time. Press the 【M+】 key to confirm, press 【CE】 key to exit Factory default: 00
UF-4	Backlight	Use 0~2 keys to select backlight mode. Press the 【M+】 key to confirm Lit 0: Auto light-up Lit 1: backlight on Lit 2: backlight off. Press 【M+】 key to confirm, press 【CE】 key to exit. Factory default: Auto light-up

8.Selectable Weighing Unit (Factory Default kg)

Press and hold the 【M+】 key and press the 【UNITS】 key until "units 1" for kg appears. For lb and lb, press the 【TARE】 key to move to "units 2". Press the 【M+】 key to confirm the setup and return back to regular weighing mode.

UF-5	Accumulation	Use 0~2 keys to select accumulation conditions. Press the 【M+】 key to confirm: ACCU 0 0 A B A: 0--- Stable required 1--- Stable not required B: 0---The weight has to return to zero to accept next accumulation A: 0--- Stable required 1--- Stable not required B: 0---The weight has to return to zero to accept next accumulation 1 - The weight does not have to return to zero to accept next accumulation 2-- No tare weight to accept next accumulation Press 【M+】 key to confirm, press 【CE】 key to exit ,factory default: ACCU 0 0
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UF-6	RS-232 output	<p>Use 0~4 keys to enter RS232 output formats. Press the 【M+】 key to confirm:</p> <p>232 0 0 A B</p> <p>A : Baud rate setup 0 : 1200 1: 2400 2: 4800 3: 9600 4: 19200 B : Output mode setup 0 : RS232 output disable 1: Manual output (formats 2)</p>
UF-7	A/D update rate	<p>Use 0~2 keys to enter ADC speed, Press the M+ key to confirm:</p> <p>SPEED 0: low speed SPEED 1: standard speed SPEED 2: High speed Press 【M+】 key to confirm, press 【CE】 key to exit, factory default: 0</p>
UF-8	Display condition at zero	<p>Use 0~5 keys to enter condition at zero, Press the 【M+】 key to confirm:</p> <p>ZP 1: 1 division not to display at zero ZP 2: 2 division not to display at zero ZP 3: 3 division not to display at zero ZP 4: 4 division not to display at zero ZP 5: 5 division not to display at zero Press 【M+】 key to confirm, press 【CE】 key to exit. factory default: ZP 1</p>

9. Standard Calibrations

At weighing mode, press and hold the 【Z】 key, then press the 【M+】 key, press 【T】 key or 【Z】 key to select ECF-1~ECF-3

ECF-1	Weight calibration	<p>Press the 【M+】 key to enter, display internal value, press the 【M+ key to calibration the zero weight after stable, Use 0~9 keys to enter the weight to be calibrated. Place the required weight mass onto the scale, press 【M+】 key to confirm the calibration procedure completed, press the 【CE】 key return to previous setup mode</p>
ECF-2	Zero calibration	<p>Press the 【M+】 key to enter, display internal value, press the 【M+】 key to calibration the zero weight after stable, press the 【CE】 key return to previous setup mode</p>

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ECF-3	SPAN calibration	Press the 【M+】 key to enter, Use 0~9 keys to enter the weight to be calibrated. Place the required weight mass onto the scale, Place the required weight mass onto the scale, press 【M+】 key to confirm the calibration procedure completed, press the 【CE】 key return to previous setup mode
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10. Error Message

Weight window will show : Err n weight unstable

Weight window will show : hhhhh weight overload

Total count window will show : hhhhh pieces over display range

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Warranty Information

Eagle / Gram offers Limited Warranty (Parts and Labour) for the components that fail due to defects in materials or workmanship. Warranty starts from the date of delivery.

During the warranty period, should any repairs be necessary, the purchaser must inform its supplier or Eagle / Gram Company. The company or its authorised Technician reserves the right to repair or replace the components at the purchaser's site or any of its workshops depending on the severity of the problems at no additional cost. However, any freight involved in sending the faulty units or parts to the service centre will be borne by the purchaser.

The warranty will cease to operate if the equipment is not returned in the original packaging and with correct documentation for a claim to be processed. All claims are at the sole discretion of Eagle / Gram company.

This warranty does not cover equipment where defects or poor performance is due to misuse, accidental damage, exposure to radioactive or corrosive materials, negligence, faulty installation, unauthorised modification or attempted repair or failure to observe the requirements and recommendations as given in this User Manual.

Repairs carried out under the warranty does not extend the warranty period. Components removed during the warranty repairs become the company property.

Product Information

Model No.	
Serial No.	
Invoice No.	
Date of Purchase	
Name, Address & Stamp of Dealer:	

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OTHER EAGLE PRODUCTS

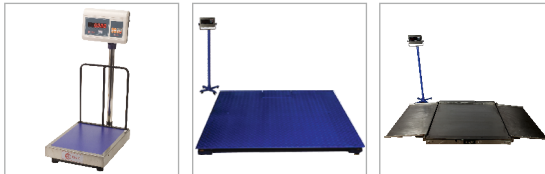
Precision Analytical Scales



Table Top Scales



Platform Scales



Hanging Scales



Crane Scales



Pallet Scales



Road Weigh Bridges



Weighing Solutions



For Sale & Service in India:

E. G. KANTAWALLA PVT. LTD.

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Tel: 020-30418100. Fax: +91-20-30418126,

E-mail: sales@egkantawalla.com

Website : www.egkantawalla.com

Our Distributor:

