User Manual

IDS711

Contents

1、MAIN FEATURES AND SPECIFICATION
Introduction
This is a multi-function weighing indicator that offer flexibility together with good features!
This indicator can drive up to 8 loadcells, suitable to attached with bench scale and big floor scale.

1-1. Main features:
A: Automatic zero point tracking function.
B: The beep(alarm) function can be activated when the weighing reach the HI –LO limits .Multiple choices for checking functions .
C: Tare function
D: The weight accumulation function
E: Simple counting function is applicable.
F: Fast, stable and accurate display reading with simple operation.

1-2、Specification

Capacity (kg)	30~800,000
Out Display Resolution	1/15000-1/30000 count
Display	6 digits LCD display with backlight /LED display
Tare	Full range of max capacity
Power supply	Rechargeable battery DC 6V/4AH or Adapter AC 110~220V/DC 12V/ 800mA
Temperature	Storage -10~+50℃ Work 0~+40 ℃
Humidity	Storage 5%-90% R.H Work 10%-80% R.H.
Loadcell driving capacity	Drive Up to max. 8 load cells (350 ohm ,120m A)

2、 PRECAUTIONS:
2-1、Full charge the battery after unpacking the scale.
   Recharge the battery: *When battery symbol appears on the LCD display, charge the battery with AC adapter, the indicator of charge will light up in red, when it becomes green means charge completed. (It takes about 8 hours to full charge the battery.)*
2-2、Install the equipment on a level and stable surface.
2-3、Do not install the equipment near the air conditioning or a vibrating machine.
2-4、Install the equipment in an environment with steady temperature(0℃ ~40℃), prevent from rapid temperature changes.
2-5、Independent AC adapter for this equipment is recommended, check the voltage before plug in.
2-6、Warm up the equipment for 15 minutes before use.
2-7、Avoid overloading or dropping material onto the platform.
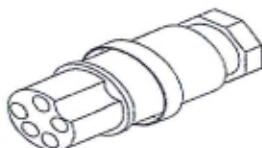
3、INSTALLATION AND START TO USE

3-1、 Connection of L/C and Indicator:

LOAD-CELL

E+ 1
E- 2
S+
S-
Shield
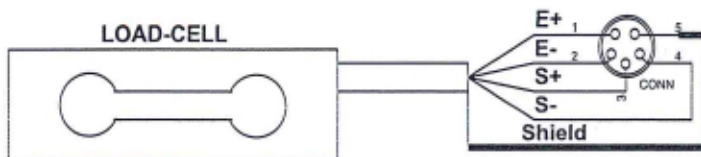
CONN

	PIN	SIGNAL
LOAD CELL CONNECTION	1	E+
	2	E-
	3	S+
	4	S-
	5	SHIELD

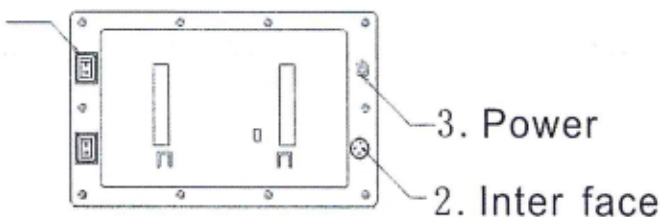**Load Cell connection instruction:**

1、E+   2、E-
3、S+   4、S-
5、GND

3-2、 Start to use

(1)**Accessories**: ①adapter ②indicator bracket ③plastic cover ④Loadcell connector ⑤user manual

—3. Power

—2. Inter face

(2) Fix the indicator with platform:

①Insert the loadcell cable through the pillar, and then insert the pillar into platform pillar holder. Fasten the screw.

② Insert the loadcell cable through the indicator bracket.

③ Fix the indicator bracket with the pillar then fasten it with its plastic ring.

④ Fix the indicator with indicator bracket.

⑤ Connect the loadcell connector with interface on indicator (right side)

⑥ Adjust the indicator's vertical position to get friendly display angle. Then fasten the plastic screw to save your setting.

(3) **Turn on the indicator**

① Press the power switch which is on right side of the indicator.

② Wait till the screen displays "0.000". If it doesn't shows "0.000", press **[ZERO]** key to enter weighing mode.

4、KEYPAD AND PANEL INTRODUCTION

ITEM	OPERATION	FUNCTION
ON/OFF	☞ ON/OFF	Power switch
ZERO	☞ ZERO	Reset to zero
TARE	☞ TARE	Tare
UNITS	☞ UNITS	Open or close the present unit
PRINT	☞ PRINT	Circularly choose the units
MR	☞ MR	Accumulation display
M+	☞ M+	Save the weight into accumulation mode
PRINT	☞ PRINT	Print out the data
MC	Hold on ☞ MR & PRINT	Delete the weight record
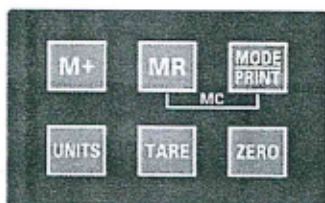
5、FUNCTIONS AND OPERATION

5-1、Simple Weighing

① Turn on the power switch on the right side of indicator.

② The indicator power on with beep and backlight flash.

③ Wait till the screen displays "0.000kg". Press **[ZERO]** key to enter weighing mode if the screen doesn't display "0.000kg".

④ Put the object on weighing pan then read the weight within 2~3 seconds.

5-2、Tare Funciton:

① Put the container (object) on weighing pan, press **[TARE]** to deduct the container(object) weight, the screen displays "0.000kg".

② Put more objects on the weighing pan, the screen displays weight of new objects excluding weight of container.

5-3、 Units Shift and Setting

① Under weighing mode, press **[UNITS]** key to shift to the unit you need. Open more units or close any units, go to step ②-⑤ for "units setting"

② Under weighing mode, hold on **[M+]** key for 3 seconds to enter setting mode. The screen displays " P1 UNT". (Press **[MR]** to circularly select P2, P3, functions setting)

③ Press **[PRINT]** to enter units setting and circularly select the unit which needs to be set.

④ Press **[UNITS]** to open or close the current unit.

⑤ Press **[MR]** to save your setting, press **[ZERO]** to return to weighing mode.

5-4、 Accumulation and Accumulation Display

① Under weighing mode, press **[M+]** key to save the present weight. The screen will display " ADD XX" （XX stands for the record serial number）.

Then the screen will display the total weight. After 2's, it automatically returns to weighing mode.

Notice: No weight or any negative weight can not be accumulated. It will beep as error notice. It can not save weight records more than 40. if you save over 40 records, the first record will be automatically deleted. The last record will be saved as 40th record.

② Under weighing mode, press **[MR]** key, the screen displays the weight records. Firstly, it displays"ADD XX" (XX stands for the record serial number), then it displays the record weight. 2's later, it automatically displays the following records. Till finish the last record, it will display "ADD UP". Then the screen displays total weight, finally return to weighing mode.

Notice: Under weighing mode, hold on [MR] key for 2's, it displays the saved weight record but won't automatically come out the following records. Press [MR] key to circularly display the following records.

② Under accumulation display mode, press **[UNITS]** key to return to weighing mode. Press **[MR]** key and hold it, then press **[PRINT]** key (**[MC]**) key to delete the record and then return to weighing mode.

Notice: When the total weight is not 0, M+ signal will be displayed in the screen. Under accumulation display mode, the M+ signal will flash in the screen.

5-5、 Check Weighing Function
"H" stands for high limit, "L" stands for low limit. When the "-H" or "L-" is flashing, the function is open, no flashing, function closed.
① Under weighing mode, hold on **[PRINT]** key to enter check weighing function setting.
② Press **[UNITS]** key to amend HI beep, OK beep or LO beep.
③ Press **[PRINT]** key to circularly choose to amend value of "High" and "Low".
④ Press **[UNITS]** key to shift the flashing digits which should be set.
⑤ Press **[TARE]** key and **[ZERO]** key to amend the value.
⑥ Press **[PRINT]** key to finish setting and return to weighing mode.

5-6、Simple Counting Function
① Make sure that the units setting with "PCS" unit open.
② Under weighing mode, press **[UNITS]** key to shift the unit to be "PCS". (if no unit weight setting before, the screen will display " 0 ".
③ Put the sample on weighing pan.
④ Press **[PRINT]** key, the screen displays " N- XXX" ("XXX" stands for sample quantity.)
⑤ Press **[UNITS]** key to shift the flashing digits which should be set.
⑥ Press **[TARE]** key and **[ZERO]** key to amend the value.
⑦ Press **[PRINT]** key to finish sampling.

5-7、 Printing Function Setting
Print out the present weight

Under weighing mode, press **[PRINT]** key to print out present weight via RS-232 interface.

6、PARAMETERS AND SETTING
① Under weighing mode, hold on **[M+]** key for 3 seconds to enter setting mode.
② Press **[MR]** key to circularly choose the parameters which need to be set.
③ Press **[PRINT]** key to enter setting.
④ Press **[UNIT]** key to modify the parameter.
⑤ Press**[PRINT]** save your setting and press **[MR]** key to shift to other parameters then press **[ZERO]** to quit and return to weighing mode.

Item	Parameter	Function	Setting
P1 UNT (units)	Kg XXX g,oz,ct,dr,vis,mm,tol Lb OZ T PCS	Units setting. XXX stands for ON or OFF.	Press [PRINT] to circularly choose the parameter. Press [UNITS] key to open or close the present unit.
P2 TRA (data transmission)	Mod X 1 2 3	Data transmission mode. 1:continueous sending, 2:stable sending, 3: pres key to send data	Press [PRINT] to circularly choose the parameter. Press [UNITS] key to circularly choose data transmission mode.
	ADD XX	Communication address, used only for many scales connected together.	Press [PRINT] to circularly choose the parameter. Press [UNITS] key to circularly set the address.
	BPS XXXX 9600 4800 2400	XXXX stands for baud rate	Press [PRINT] to circularly choose the parameter. Press [UNITS] to \circularly choose the baud rate you need.
	X X X N 8 1 0 7 1 E 7 1	For example: Parity: 0; Word length: 7 ; Stopbits: 1	Press [UNITS] to choose the mode. Press [PRINT] to enter next parameter setting.
	CHK XXX ON/OFF	Open or close XOR checking	Press [UNITS] to open or close this function.

P3 FUN (other parameters setting)	PWR XX AUO OFF 6/12/18/24/30/36/42	Backlight auto off setting. OFF mode= backlight not auto off Or set after 6 second ~60 second backlight auto off	Press **[PRINT]** to enter setting. Press **[UNITS]** to circularly choose the backlight mode, press **[PRINT]** to enter next parameter setting.
	BL XX ON OFF AUO	ON or OFF or auto, backlight function setting	Press **[UNITS]** to open or close backlight function, press **[PRINT]** to enter next parameter setting.
	Hd XXd AUO PET OFF 10d 20d 30d 40d 50d 60d	Dynamic weighing setting(hold function) Set OFF to close this function. Or set 10d-70d hold.(for example, weight fluctuates within 10d, software auto hold on average value with long beep. If the weight fluctuates over 10d, the sofware give up hold function with short beep.	Press **[UNITS]** to amend the parameter, press **[PRINT]** to enter next parameter setting.
	MLE XX ON/OFF	Check weighing setting function ON or OFF when the weight is negative.	Press **[UNITS]** to amend the parameter, press **[PRINT]** to enter next parameter setting.

7、 ERROR MESSAGE AND TROUBLESHOOTING

1 · Error message

Message	Problem
ADO---	Over A/D resolution range
ADL---	Low A/D resolution range
OVR---	Over load (max: capacity +9e)
Battery symbol	Low battery alarm

2 · Trouble shooti: j:

Where	Possible Error message	Trouble shooting.
Power on	ADO---	Check and remove the object from weighing pan or send back for repair.
Power on	ADL---	send back for repair.
Power on	Battery symbol	Charge the battery.
Normal weighing mode	OVR---	Check if weighing object over the capacity +9e.