WT-2090
Livestock Weight Indicator

Technical parameter

Accuracy:	Level III
Specification:	(O - 3000) d
Working voltage:	DC:5V
Division value:	1/2/5/10/20/50
AD output speed:	10 times / sec. Or 40 times/sec.
internal resolution:	≤ 24 bits
Operation temperature:	-10 ~ 40° C
Battery:	6V/4A
AC Power :	110-240v

Connection indicator with load cell
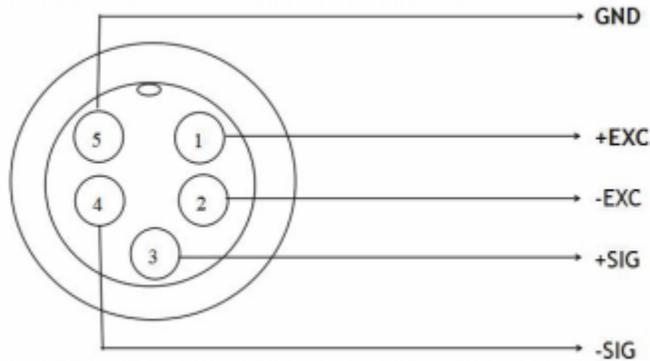
Communication Interface (RS232)

Score board
Current loop

Stainless steel indicator
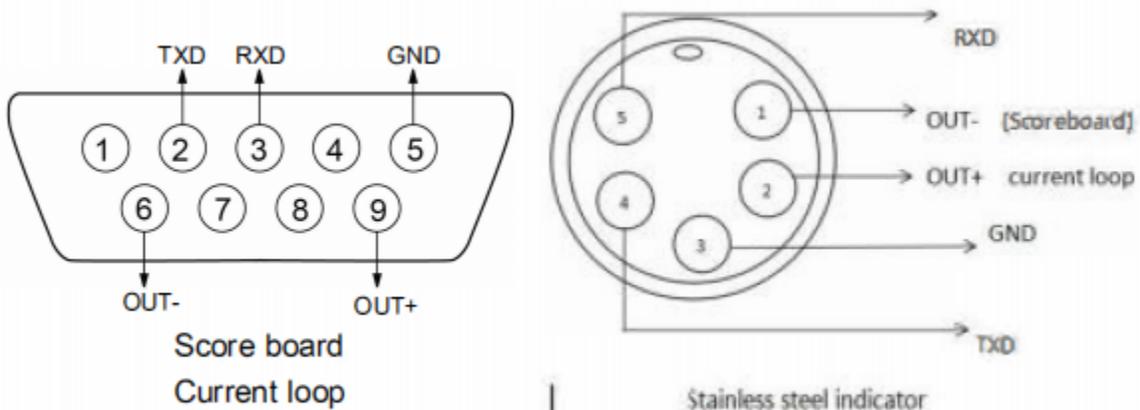
Example of Installation

The Weigh Bars should be installed on a properly leveled and firm surface, securing the feet with anchor bolts or parabolts. After placing the bars at the installation site, use a level to confirm the equipment's leveling. If there is a slight unevenness in the ground, the articulated feet will adjust to ensure proper fixation.

Indicador Eletrônico
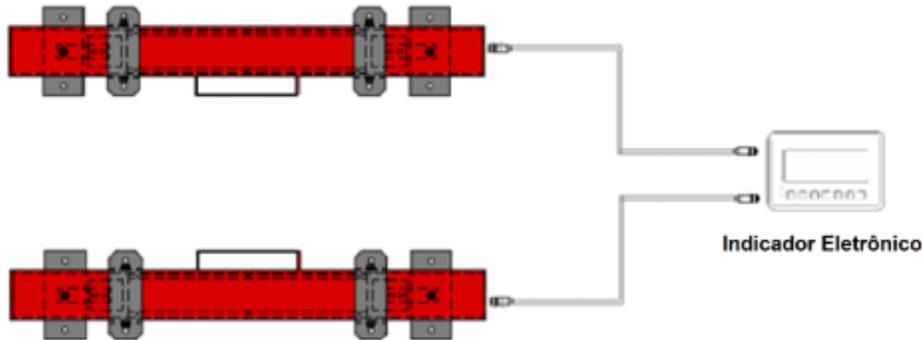
Description of keys functions

The keys of the instrument serve as release, and immediate press and release can be effective.

1. [Fun] key: long press this button to enable the indicator into the setting status of feature and parameters, while short press [Fun] key to hold or off peak hold function.
2. [Print] key: long press this key to enable the up-down alarm setting mode, while short press [Print] key can send the serial data, and moreover, in the parameter setting state, the key plays the role of confirmation.
3. [F] key: short press [F] key to enable weighing unit conversion in the instrument, while in the mode of parameter setting, this key is served as digital switching, and in status of digital input, digit is moved to right
4. [Tare] key: short dick enables peeling of instrumentation, and in status of digital input, digit is increased
5. [zero] key: short press [zero] to enable the instrument returned to zero within zero-setting scope, and in status of digital input, digit is reduced

Indicator functions and operating instructions

1. Long press the [Fun] key to enter the settings in weighing mode, and the first major item "P1 unt" is displayed, and it is the serial port setting. At this time, continuous pressing of the [Fun] key enters the next major item, and the press of [Print] key enters detailed parameter settings and saving and then goes to the next detailed parameter, and [F] key is used to make changes in single bit parameter and setting bit of a number of parameters. [Tare] key is to increase , [zero] is to reduce.
2. The specific adjusted parameters are as follows

3. If just weighing range, division value and weight calibration is modified, please refer to P5 and P7 function options

Items	Parameters	Function	Adjust mode / Standard value
P1 UnNt (set Unit)	U1 Kg	U1 must be "Kg"	Press [Imp] key to go to the next step
	U2*	U2 "g" it can change between kg, g	oFF
	U3*	U3 "lb" it can change between kg, lb	oFF
	U4*	U4 "oz" it can change between kg, oz	oFF
	U5*	U5 "pcs" it can change between kg, pcs	oFF
P2 TRA	tM*	Communication Mode 0 Stable continuous transmission 1 Continuous transmission 2 stable transmission 3 answer mode 4 manual transmission mode 5 Manual print mode 6 Stable print mode	Press [Imp] to confirm and go to the next step
	Adr	Comm. address, useful it multi station communication	Press [F] key to change the value. Press [Imp] key to confirm and go to next step
	b	is communication baud rate (1200,2400,4800,9600,19200)	
	tF	00 - 10	
	dpn	Scoreboard (optional function) 0----close 1----open	
	blue	Bluetooth (optional function) 0----close 1----open	
	Rtc (Optional)	00----Godex printer 01----Jiabo printer 02----SRP275 printer 03----TP printer(B19P)	

	dAtE (optional)	Need select clock module	Press [Imp] key to Show the time
	..**	Set the date	
	time		
	..**	Set the time	Press [F] key to change data. Press [Tare] and [Zero] change the number
P3 FUN	pr	Sleep parameters can be set to OFF and user can take 6 seconds as a gear , from (06-60)	Press [F] key to change the value. Press [Imp] key to confirm and go to next step
	Lum	LED displays brightness(0-7)	
	HF	Data hold mode PH---Peak holding mode dH---Manual holding mode AH---Automatic holding mode OFF---Close this function	
	Hd **d	Animal function settings if it is set to OFF, this feature is turned off, the user can take 10-d as a gear to set dynamic range from 10-d to 70-d. For instance: if it is set to 20d, when objects are varied within the range of 20d, the program automatically calculates the average value of the most suitable one and locks it, and there is a long beep when locked. When weight changes have beyond this range, it is unlocked, and there will be a short beep when unlocked, of which --d means that it will be unlocked only when the weight goes back to 0, but it can be locked when the weight is varied within the range of 80-d.	Press [F] key to change the value. Press [Imp] key to confirm and go to next step

	AHF	Animal function holding mode: AH---The weight is locked, but the weight data can be adjusted slowly SH---The weight is locked, but the weight data can not be adjusted, it must exceed the range of animal husbandry scale to unlock	Press [F] key to change the value. Press [Imp] key to confirm and go to next step
	UF	Alarm output signal mode: ud---Up and down alarm mode os---sequence mode	
	ME	on or off when the weight is negative choose alarm or no alarm	
	WS	on or off When alarm, Whether the weighing data stable	
	OK	On or off When alarm,Only when the weight is between the upper and lower limit, the serial port outputs the signal	
	ZnR	Minimum divisions for returning to 0, 0d to 20d	
	HZr	Manually zero range from 0 to 3, 0--- don't zero, to change data. 1 --- 4% for full scale, 2 --- 20% for full scale 3--- 100% for full scale	
	kZr	Auto zero range from 0 to 3, 0--- don't zero, to change data. 1 --- 4% for full scale, 2 --- 20% for full scale 3--- 100% for full scale	
Pn__		User put in the password, and the correct password can enter the following parameter setting, otherwise large item setting of serial port (P1 unt) is returned, and the enter the next step user shall press [Imp] key to	Press [F] key to change the value. Press [Imp] key to confirm and go to next step

		after inputting confirm the password. Currently code is [F] [F] [Tare] [F]	
P4 FIL (Filtering parameters)	FrEq	AD data output rate 0 --- 10 Hz 1 --- 40 Hz	
	Filt	Filtering strength setting ranges from 0 to 70---weak strength 7---strong intensity	
	Str	Data filtering ranges from O to 9 0---Small range 9---big range	
	Stt	Data filtering time form O to 9 0---Short time 9---Long time	
	Ztr	Zero tracking range is from 0 to 9, and 0 means non-track, while 1 to 9 indicates the range from .5d to 4.5d	
	Ztt	Zero tracking speed from O to 7 0---slow 7---fast	
	Wtr	Creep tracking parameters range from 0 to 9 0---non track 1---small range 9---big range	
	Wtt	Creep tracking parameters speed from 1 to 15 1---slow 15---fast	Press [F] key to change the value. Press [Imp] key to confirm and go to next step
	ZSH	0 keep the display function, set from 0 to 7, in the vicinity of zero in this range (0d-7d), the indicator shows 0, do not move, it is recommended not to be too	

		large, default 1	
	WSH	When the scale is loaded, the weight is temporarily locked within the range of 1d. 0---Do not use this function 1---use this function	
P5 C-D	E	Accuracy of instrument is selected among 01,02,05, 10,20 and 50	
	d	The decimal number of meter is 0, 1, 2, 3	
	*****	Full scale of indicator	
P7 CAL	ULoad	Zero Calibration	
	*****	Display Calibration Weight	
P9 AD		Indicator enters into the AD status	
		AD Status Display	Press [Imp] key to exit

Remarks: PH is the peak hold mode. When the function is turned on, the weight is locked when the weight is >=20d and stable. The key must be press [Fun] to unlock the weight.
dH to manually hold, manually press [Fun] key s, weight lock, and then manually press [Fun] key to unlock the weight.
AH is an automatic hold method. When the function is switched on, the weight is locked when the weight is >=20d and the weight is locked. After about 6S, the weight is unlocked. Weighing on the scale <20d, and then on the scale, lock the weight.

4. Simple Calibration
   on the empty scale, When the user presses [Tare] and holds on, the indicator displays "CAL" for about three seconds, and then shows the weight. At this time, modified weight to the calibration weight and then put on the weights and calibration is performed by pressing [Print] key after three seconds. indicator enters the normal display state after calibration.

5. Counting function
   In the weighing status, long press the [Fun] key, and "count" is show, then press the [Imp] key, and "C00000" is shown. Now indicator is in a counting state, press [Imp] key and the indicator can be switched between quantity and weight (current unit). After power off, the sampling value is not saved. In counting, the units cannot be switched. After using counting function, do not use the function of

keeping an animal .

Maintenance and precautions

1. To ensure the clarity and service life, the instrument should not be placed directly under sunshine, or location should be relatively smooth.

2. It is not recommended to use it in places with serious dust and vibration to avoid the use in wet environments.

3. Sensors and instrumentation shall be reliably connected, and the system should have a good ground, keeping away from strong electric field and strong magnetic field, and the sensor and instrument should be away from strong corrosive substances, keeping away from flammable materials.