

# Weighing series inside setting manual

2020.7.2 Modified by Cici

1. The key functions of scale will be effective after release, after user press and release the key.
2. How to enter the agency setting and instructions of keys



In weighing mode, press [M+] key and hold 3s, the scale will enter into setting mode. The display will show “P1 UNT” , this is units setting. Now, press [MR] key to enter the next major setting. Press [Alarm] to enter the parameter detail setting and store, then enter into next parameter detail setting. Press [Units] key to modify the simple parameter, and shift when modify the multi-digits value. Press [Tare] key, the number add 1. Press [Zero] key, the number minus 1.

3. Parameters setting and function.

MAIN PARAMETER	SUB PARAMETER	FUNCTION	SETTING WAY
P1 UNT (UNITS)	U1 XXX	<b>Units print on the panel</b> U1 XXX It means the units when arrow point to the first units on the panel.  XXX is the units' name. For a sample, "U1 kg", it means when arrow point to the first unit of the panel, the unit is kg. "U2 g" it means when arrow point to the second unit of the panel, the unit is g.	Press [Units] to modify the units.  Press [Alarm] to enter the next unit setting.
	U2 XXX		
	U3 XXX		
	U4 XXX		
	Kg XXX	<b>Units show on the LCD display.</b> Setting useful unit. XXX can set to ON or OFF, all units set to ON can be used.	Press [Units] to set the unit open or close.  Press [Alarm] to enter the next unit setting.

P2 TRA (communication settings)	FC X or XX Mod	Communication mode: 1 Continue sending mode. 2 Stable sending mode. 3 Answer sending mode. 4 Manual sending mode. 5 Stable sending mode. 6 Manual sending mode. <b>5 and 6 effective when connect with printer</b>	Press [Units] modify the parameter. Press [Alarm] to enter the next parameter setting.
	PF X or X PFM	Protocol setting. The default set is 0, contact us when need.	The same as above.
	Add XX or XX Add	Communicate address, use for multi PC communication.	The same as above.
	b XXXX or XXXX bps	XXXX is communicate baud rate.	The same as above.
	X X X	This parameter can set to n 8 1, o 7 1 and e 7 1. They are respectively check bit, data bit, stop bit settings.	The same as above.
	CC XXX or XX CHK	Open or close XOR checkout.	The same as above.
	F2 or X M2	The communicate mode setting of Serial port 2. The same set way as FC.	This function is for the indicator which has built-in printer or double serial port.
	P2 or X PF2	The protocol setting of serial port 2. The same set way as PF.	
	b2 xxxxx	Serial port 2(For built-in printer) baud rate setting, this function is the same as b.	
	MAP xxx	To choose if print out at the same time when cumulating. Xxx can set to ON or OFF	The same as above.
	H L	Set the auto print range. H is the high limit, L is the low limit.(How to set the hi-lo range please check the No.4 part) When this parameter set to H-L, it means print when weight value between high and low limit.	The same as above.(optional)
P3 FUN (Other function settings)	Pr XXX or XXX Pwr	Sleep mode parameter setting.This paramete can set to OFF( close sleep mode), also can set to 6-60s sleep by every 6s one step. In LCD display version, it controls the sleep mode of the backlight.	Press [Units] to modify the parameter. Press [Alarm] to enter the next parameter setting.

LtN X	X is the brightness of LED digits. (LED version)	The same as above.
XX BKL	XX can set to ON or OFF, to control the backlight.(LCD version)	The same as above.
Hd XXd or XXd Hd	Dynamic weighing setting. Set to "OFF" to close this function. if it set to "ON", user can set 10 d~ 70 d dynamic weighing range by every 10d one step. such as: set to 20d,when weight moves in 20d range, the software will calculate a suited average value, then lock, the same time a long beep come out. If weight exceed this range, it will be unlocked automatically, and with a short beep. ----d, it means weigh must return to 0, then the weight can be unlocked, but the weight move should not exceed 80d.	The same as above.
MLE XX	XX can set to ON or OFF. It controls the Hi/Lo alarm when weight value is negative.	The same as above.
ZPE XX	XX can set to ON or OFF, It controls the Hi/Lo alarm when weight value is zero.	The same as above.
LCS XX	To choose if Hi/lo alarm function need wait weighing become stable	The same as above.
PZP XX	Zero range of power on	The same as above.
AZ	Zero range of manual	The same as above.
CST XX	To choose if zero/tare function need wait weighing become stable	The same as above.
MAM XXX	XX can set to ATO or MAN, It controls the ADD function is automatic mode or manual mode. When in manual mode, press [M+] key can enter into ADD function. When in automatic mode, put on the weight, after the	The same as above.

		weight stable, scale will add the weight automatically. (This function is for scale which has ADD function.)	
	SST XX	Whether or not show the time information in sleep mode.	(This function is for scale which has built-in clock module.)
	XX.XX.XX	Set date information. Format is year/month/date. Use [Units] key to switch year/month/date, use [Zero] and [Tare] to modify the numbers.	
	T XX.XX	Time information. Format is hour/minute. Use [Units] key to switch hour/minute, use [Zero] and [Tare] to modify the numbers. After minute data set, press [Units] again can store the time information.	
PIN_	Input the password. User need input the right password then can enter the follow settings. Otherwise, the setting step will back to P1 UNT. After input the password, press [Alarm] to confirm. Factory default password is [Units] [Units] [Tare] [Units], if use this password cannot enter the follow settings, please contact the dealers.		
P4 FIL (Filter setting)	FI X or X FIL	Filter intensity parameter, the X value is bigger, the filtering intensity is bigger. The weight value shows more stability, the weight value come out speed is more slowly.	Press [Units] key to modify the parameter. Press [Alarm] to enter the next parameter setting.
	ZE X or X ZEO	Zero tracking parameter. When zero point is easy to move, please set this parameter bigger. This parameter is bigger, the stability of zero point is better, but the identification of small weight at zero point is weaker.	The same as above.
	ZT X or X ZTR	Creep tracking parameter. When load cell creeps, please set this parameter. This parameter is better, tracking effect is better, but the identification of small weight is weaker.	The same as above, press [Alarm] to back to the present main parameter setting.
P5 C-D (Capacity and division )	CXXXX Or XXXX CAP	XXXX is capacity, when weight is more than +9d of this parameter, the scale will show over loading.	Press [Units] to modify the decimal point, press [Tare] and [Zero] to modify. Press [Alarm] to enter the next parameter setting.

	CU XX	Set the unit of capacity and division weights value. It can set to kg or lb.	The same as above, press [Alarm] to back to the present parameter setting.
	DXXXX Or XXXX DIV	Division setting. The minimum resolution, please set it depend on the precision requirement.	Press [Unit] to modify the parameter.
	HP xxx	To choose virtual zero on or off. Choose on, there will add one 0 after weight value.	The same as above, press [Alarm] to back to the present parameter setting.
	dP XX or XX dp	Dual division setting. XX set to ON or off. It means open and close the dual division.	The same as above, press [Alarm] to back to the present parameter setting.
P6 LX (Multistage calibration)	LX	X set to 0(OFF)or 1(OPEN) Just set to open can enter the multistage calibration. Note: If user do not need run multistage calibration, please set it to 0, otherwise it will affect the linear of scale.	Press [Units] to modify the parameter. Press [Alarm] to enter the calibration.
	LINEX	Status of multistage, it means the number of Multistage.	Enter to the next parameter automatically.
	XXXXX	Weights weight. Put on the weights after setting. Note: The second stage weights must bigger than the first stage weights. The third stage weights must bigger than the second weights too.	Press [Units] key to shift the twinkle digit. Press [Tare] and [Zero] key to modify the number of twinkle digit. After setting, press [Alarm] to enter the next calibration.
P7 CAL (Calibration)	EXXXX	XXXX is the weight of weighs.	Press [Units] key to modify the twinkle digit. Press [Tare] and [Zero] key to modify the number of twinkle digit. After setting, press [Alarm] to enter the next parameter setting.
	XXXXX Or XXXX CAL	AD value of zero, at this time, the pan must be empty.	Press [Alarm] to enter the next calibration step after stable.
	First the display shows "Load", then shows "XXXXX", or	AD value, at this time, put on the right weights, waiting show value become stable.	After the show value stable, press [Units] key or [Next] step to calibrate.

	shows "XXXX lod"		
P8 EC (calibration parameter store and restore)	E1 Rul (after 1s) XXXX	After 1s, XXXX is k value. Please note know this value, when forget calibration way, or do not have suitable weights, input this value can restore the calibration value.	To modify this parameter, press [Unit] first, one of the digits will twinkle, then use the same way as modify the calibration value to modify the numbers. After modify finished, press [Alarm] to enter the next parameter setting.
	EX XXX(after 1s) XXXX	After 1s, XXXX is the value of multi-stage calibration. It has 4 parameters. If user did multi-stage calibration before, then the 4 parameter are effective. If the multi-stage calibration lose efficacy, please enter these value, do not need to do multi-stage calibration.	The same as above.

4. In weighing mode, press [Alarm] (the same as [Alarm]), then enter into the alarm setting. The details as follows:

Display	Function	Adjust way
—H—L—	Hi/Lo mode. H is the high limit of the follow settings. L is the low limit if the follow settings. Which “-“twinkles, it means when weighing value is in this area, the beep works. For an example, the far left “-“twinkles, it means when weighing value is more than high limit, the beep works. When every “-“all do not twinkle, it means the alarm function is off.	Press [Units] key to modify. Press [Alarm] to enter the next parameter setting.
HXXXXX	This parameter is high limit value.	Press [Units] key to modify the twinkle digit. Press [Tare] and

		[Zero] key to modify the number of twinkle digit. After setting, press [Alarm] to enter the next parameter setting.
LXXXXX	This parameter is low limit value.	Press [Units] key to modify the twinkle digit. Press [Tare] and [Zero] key to modify the number of twinkle digit. After setting, press [Alarm] to back to the weighing mode.

5. Simple calibration.

In weighing mode, remove the weights from the pan. Press and hold [Tare] key for 3s, the display shows —CAL—, then it shows the weight. At this time, modify the weight value to the calibration weights value, then put on the calibration weights, wait for 3s, and press [Alarm] or [Mode] key to calibrate.

Note: In simple calibration, if the calibration result is twice more or half less than agency calibration, the simple calibration cannot pass. For an example, put on a 10kg weights, in agency calibration set to 10kg and passed. When calibrate in simple mode, use 10 kg weights, but set to 20kg or 5kg, simple calibration cannot pass.

6. Simple counting mode.

When open the PCS unit in units setting, the simple counting mode is open.

In weighting mode, press [Units] key to choose PCS unit. If the scale have not been set the unit weight before, the display shows 0.

At this time, put on the sample, press [Mode] key, the display shows N— XXX, XXX is the sample quantity. Press [Units] key to modify the twinkle digit. Press [Tare] and [Zero] key to modify the number of twinkle digit. After modify finished, press [Mode] key to sampling, then can start counting.