

TMT CRANE SCALE TCB SERIES High Quality Wheel Load **Scale Instruction Manual**

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Calibration & Gravity Compensation

1.1. Calibration

When the power is off, press





When 'G-CAL' is displayed, and then press



Then this calibration mode is started.

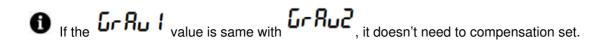
No.	TITLE	DISPLAY	KEYBOARD & DESCRIPTION				
1	How to enter	G-CAL	(b) (H) (F) (*)				
2	Program version	FAWE 100	Move to a next step in automatic				
3	Maximum capacity	CRPR 5000	Initialized value He numeric increase scale increase /save				
4	Minimum division	5 q .n	decrease / Trincrease				
5	Setting weight	SEŁ-F 5000 Initialized value numeric increase scale increase / * save					
NB : Setting weight shall be within the range of 10 %~100 % of max. capacity							
6	Zero calibration	2Ero	Unload the tray and press				
7	Span calibration	LoAd	Load the weight which was set in step 5 and press				
8	Finish	End	Unload the tray and press				

1.2. Gravity compensation

When the power is off, press while pressing .

When 'G-CAL' is displayed, and then press again Then this gravity compensation mode is started.

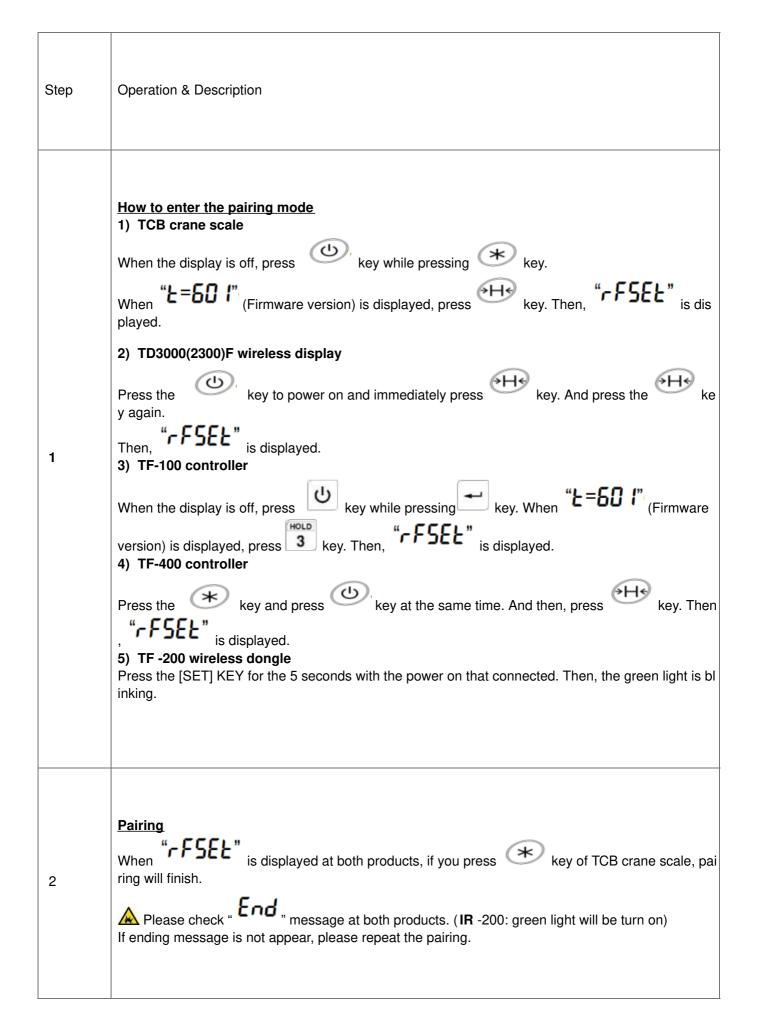
No.	TITLE	DISPLAY	KEYBOARD & DESCRIPTION		
1	How to enter	G-CAL	(b) (H) (F) (*)		
2	Program version	F - 100	Move to a next step in automatic		
3	Calibration location	Gr Au 1 9799 99m/s²)	Initialized value He numeric increase scale increase / save		
4	Using location.	Gr Ru2 9799 (9.799m/s²)	Initialized value Here numeric increase scale increase / * save		
5	Finish	End	Unload the tray and press		

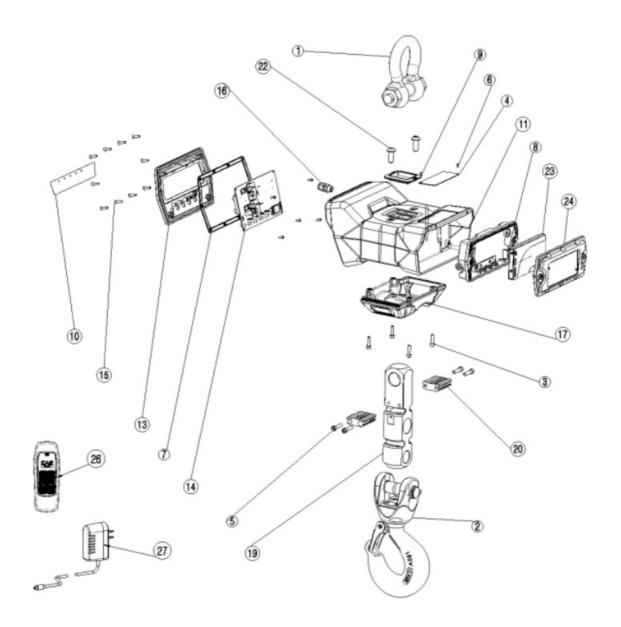


1.3. Check message

Code	Description			
Ch 03	The resolution is set to be exceeded the limit 1/50,000. Check the resolution.			
Ch 04	The balance weight for span calibration is lower than 10%, or greater than 100% of the maxim um capacity of the scale. The weight for span calibration should be within 10%~100% of the maximum capacity of the scale.			
Ch 05	Load cell output is too small or large at span calibration. Check the weight unit and load cell or calibrate with lower resolution.			

Wireless Pairing





No	NAME	SPEC					O'TV	
		lion	3ton	I 5ton		10ton		Q'TY
1	Shackle	5/8	7/8			1.1/4		1
2	Hook ass'y		3T 1 5T			101		1
3	bolt	M5 x 20					4	
4	Spec plate	95 x 40	95 x 40					1
5	bolt	M6 x30	M6 x30					4
6	Rivet	BLIND 2.5 x 6					2	
7	gasket	200x120x3.5					1	
8	Battery—cover easy	TCBL					1	
9	LC CAP	6665×9 I T	I 055×9 3T	MN 5T		I 1211x911d 10T		1
10	Keypad	169×29(Selection for LCD type or FND type)					1	
11	TCB body	215420×135(51) I 10T					1	
13	Front panel	201x121x20					1	
14	PCB asaY	LCD type or FND type					1	
15	Screw	Flat head	Flat head 144×16					10
16	Code—stopper	PG7					2	
17	LC cover	1T	3T 6T		6T		101	1
19	Loedcell	CSS3-1T	CSS3-3T		CSS3-5T		CSS3-10T	1
20	LC BRK	17 3T 10T					1	
22	Wrench Boll	Round Head M10 x 25					2	
23	BATTERY PACK	TLP-100(LCD type) or TLP-200(FND type)					1	
24	BATTERY COVER	LCD type or FND type					2	
25	Power—cable	02.5×400				1		
26	Remocon	IR-100				10		
27	Adaptor	LCD type: 51/.1A .Ø3.5 a FND type: 1241A, 03.5					1	

Firmware Update

- 1. Install the 'MPLABX'
- 2. Run 'MPLAB X IDE'
- 3. Connect the PICkit3 to PC
- 4. Connect as shown in the picture below.

Aligned the RED wire and arrow mark of PCB, and then combines them.



5. Select the HEX file (File - Import - Hex/ELF... (Prebuilt) File)

SEE ATTACHED VIDEO

1) Prebuilt Filename: Bring up the HEX file

2) Family: 16-bit MCUs (PIC24)3) Device: PIC24FJ64GA306

4) Supported Debug Header: None

5) Hardware Tool: PICkit3

6) After the above setting, click NEXT F NEXT Finish.

6. Set the Project Properties (File – Project Properties) SEE ATTACHED VIDEO

1) Click PICkit3 in Categories

2) Option categories: Memories to Program

3) Preserve Program Memory: Select

4) Preserve Program Memory Start (hex): 0x0800

5) Preserve Program Memory End (hex): 0x1FFF

6) After the above setting, click Apply.

7) Option categories: Power

8) Power target circuit from PICkit3: Select

9) After the above setting, click Apply F OK.

7. Upgrade firmware SEE ATTACHED VIDEO

1) Click the Make and Program Device icon.

2) Confirm the complete message.



Documents / Resources



TMT CRANE SCALE TCB SERIES High Quality Wheel Load Scale [pdf] Instruction Manual CRANE SCALE TCB SERIES High Quality Wheel Load Scale, CRANE SCALE TCB SERIES, H igh Quality Wheel Load Scale, Quality Wheel Load Scale, Wheel Load Scale, Load Scale, Scale

Manuals+,