Operation Manual

PB4560

Platform Scales

4.CALIBRATION

Before calibration,ensure the platter is empty,input the command “CALU”,calibration in zero point,the window of tool will be show RET:OK; put the weight on the platter, input command (“CALL X” X= calibration weight value) 3 seconds later ,example:10kg weight ,input command “CALL 10”,the calibration finished and the window will be show “RET:OK”,and then come to show the current weighing value.

5.COMMUNICATION PROTOCL

Baud rate:9600, data bits 8, stop bits 1 ,no parity

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
S	T		N	W		+				1	0	.	3	5		k	g

Weighing data :ACS code including decimal point

Example 1: 10.35kg

The data format should be :0x53 0x54 0x20 0x4E 0x57 0x20 0x2B 0x20 0x20 0x20 0x31 0x30 0x2E 0x33 0x35 0x20 0x6B 0x67 0xOD 0xOA

Example 2: 1.234kg

The data format should be :0x53 0x54 0x20 0x4E 0x57 0x20 0x2B 0x20 0x20 0x20 0x31 0x2E 0x32 0x33 0x34 0x20 0x6B 0x67 0xOD 0xOA

6. SPECIFICATION

Model	**PB4560**
Capacity	60kg
Division	10g
Resolution	6000
Display	Connect external indicator
Pan size	450mm x 600mm
Operate Temp.	-10° C - 40° C /14° F - 104° F
Power	Powered by USB(5V)
Internal resolution	Up to 12000
Gross weight	14.3 kg

3.OPERATION

3.1 Power On/Off

Plug the USB port to device for power supply, connect the RS232 port to computer,select the corresponding COM port, the weighing value can be show. If connect the external indicator,when enter the normal weighing mode,the indicator will be zero automatically.Pull out the USB cable,the power can be turn off.

3.2 Overload warning

Put the 2kg weight on the platter when stable,the weighing value will be show “ST NW +2.000kg”,if not stable,the weighing value will be show“UT NW +1.998kg”.Please do not add item that is over the maximum capacity. When reading“--ol-”, remove the item on the platter to avoid damage to the load cell.

3.3 To set the resolution

Set the baud rate 9600，data bits 8，stop bits 1，select the corresponding COM port in the Serial debugging tool ,input command SETMODE 0 to set the single interval ，input command SETMODE 1 to set the dual range，input command SETMODE 2 to set the dual interval，when setting completely, the window of the tool will be show RET:OK .

3.4 To set the capacity

Input command: SETFULL X to set the maximum capacity as Xkg, Input command SETMID , to set the first capacity as X kg. when setting completely, the window will be show X RET:OK , the first capacity should be set in dual rang and dual interval.

3.5 To set the decimal point

Set the baud rate 9600，data bits 8，stop bits 1，select the corresponding COM port in the Serial debugging tool ,Input command: SETDECI X，to set the decimal points as X ,example：to set the decimal points as 3,the command should be:SETDECI 3 ,after setting completely, the window of the tool will be show deci:3RET:OK .

3.6 To set the division

Set the baud rate 9600，data bits 8，stop bits 1，select the corresponding COM port in the Serial debugging tool,Input command: SETDIV X to set the division for first capacity or single range as X, Input command：SETDIV2 X to set the division for the second capacity as X ,if X=0,the division is 1; X=1,the division is 2; X=2, the division is 5, when setting completely, the window of the tool will be show RET:OK . the second capacity should be set in dual rang and dual interval.

3.7 Zero operation

The window of tool will be show 0,by input command Z.

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1.INTRODUCTION

The PB4560 series platform scales that amplifies signals from a load cell, converts it to digital data and displays it as a mass value.

It is suitable for general weighing or more specialized applications such as weighing units conversion.and It can be connected to PC.

2.COMMAND DESCRIPTION

To enter the parameters for setting, the platform should be connect to external indicator,the command description for weighing and parameters setting as follows.

Menu	Description
SETMODE X	X=0； To set single interval X=1；To set dual range X=2；To set dual interval
SETMID X	To set the first capacity
SETFULL X	To set the maximum capacity
SETDECI X	To set the decimal point
SETDIV X	To set the division for the first or single range
SETDIV2 X	To set the division for the second range
CALU	Calibration in zero point
CALL X	Calibration
Z	Zero operation
SETWEIGHTUNIT X	X=0; represent for unit kg X=4; represent for unit lb

PS:All of the commands should add new line in the end except command “Z”