

ANYLOAD®

P580

Wireless Display
Operations Manual (V1904)



1. P580 Features and Functions

- Portable Size with Printer: the receiver is equipped with printer and a portable design; easy to carry with leather bag provided
- Two-way wireless communication: can do tare, zero scale, calibration and parameter setting
- Display: five 25mm high LCD digits with backlight and can show the status of battery power, tare, zero, peak and stability
- Keyboard functions: can print data, time, serial number, commodity number, net weight and total weight. Can take up to 16 digits heading information, and store up to 2,000 weighing records
- Battery: equipped with a high performance, SC type industrial Ni-H battery which can be recharged for 1,000 cycles. A fully recharged battery can last up to 50 hours at normal operation
- Printer: Fujitsu FTP-680 2" high speed thermal printer
- CPU: ARM based 32 bit MCU combines with high performance, real time capability, low power and low voltage operation
- Communication: both RS232 serial port and USB port are provided for flexible connection with laptops/PC.
- Operating Temperature: -20°C to 60°C
- Antenna: concealed antenna as an integral part of the receiver
- Update Rate: 12 times per second from load cell
- Radio Frequency: 2.4GHz wireless transmission of up to 30m distance and 128 available channels.

2. Turning ON the P580

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[88888]]	Displays twice, self test
	[[Ert]]	Displays twice
	[[u 1.2]]	Displays current software version
	[[CH=E3]]	Displays current wireless channel E3
	[[U=3.98]]	Displays current battery voltage

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	〔 ← → 〕	Waiting stable
	〔 0 〕 or 〔 noSIG 〕	If display 0, means the indicator can communicate with the dynamometer, if display noSIG, means no signal from dynamometer

Note : Indicator battery voltage is normally between 〔 U 6.80 〕 to 〔 U 8.20 〕 . If it is below 〔 U 6.80 〕 ,the display will flash. Battery should be recharged.

3. P580 Indicator Keys



: Turn on



: Turn off



: Cargo number, from 00 to 99, Set CN to distinguish different goods



: Serial number, from 00000 to 99999 to distinguish different time

weighing



: LCD Backlight



: Set time



: Set date and increase digit's value



: Repeat print current weighing data



: Save in memory and print current weighing data



: Peak function and move digit left



: Tare function and move digit right



: Set print MENU



: Clear memory



: Zero function and decrease digit's value



: Statistics function



: Return to previous menu



: Select menu



: Confirm

Zero

OPERATION	DISPLAY	Generally should display [0]. If it shows reading other than zero, press this key to obtain the zero reading.
Press (ZERO)	[0]	
Press 		

Tare

OPERATION	DISPLAY	If there is tare weight on the dynamometer and the reading is stable, pressing this key will display “0”, and TARE light will turn on..
Press 	[0]	

Peak Hold

OPERATION	ILLUSTRATION	
Press (PEAK) or 	Catch and display maximum value of unstable load and freeze the screen	
Press (PEAK) or 	Scale will return to normal weighing mode	

Set Time

OPERATION	DISPLAY	ILLUSTRATION
Press 	[hh]	Displays current clock
Press 	[mm-ss]	Displays current minute and second
Press 	[mm-ss]	Press  until digit m flashes. Press  ,  ,  ,  to set current time, Press  to set current clock
Press 	[0]	Save the set time and return to weighing mode.

Set Date

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[YYYY]]	Displays current year
Press 	[[mm-dd]]	Displays current month and date
Press 	[[mm-dd]]	Press  until digit m flashes. Press  ,  ,  ,  to set current date. Press  to set current year.
Press 	[[0]]	Save the set date and return to weighing mode.

Set CN (Cargo Number)

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[00]]	Displays current cargo number, press  ,  ,  ,  to set new cargo number.
Press 	[[0]]	Save and return to weighing mode.

Attn: After setting new CN, it means that the goods to be weighed in will be classified to this CN.

Set SN (Serial Number)

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[00]]	Displays current serial number, press  ,  ,  ,  to set new serial number.
Press 	[[0]]	Save and return to weighing mode.

Attn: After setting new SN, it means that the goods to be weighed in will be classified to this SN. CN, SN mainly used for distinguishing different goods

Unit

OPERATION	DISPLAY	ILLUSTRATION
Press  4 times	[[Unit]]	
Press 	[[Un=0]]	Un=0, the unit is kg, press  to select unit from 0-4, 1 means lb, 2 means N, 3 means KN, 4 means ton.
Press 	[[0]]	Confirm unit chosen and return to weighing mode.

Battery Voltage

OPERATION	DISPLAY	ILLUSTRATION
Press  3 times,	[[dC]]	
press 	[[U *.*]]	Display current dynamometer's battery voltage
Press 	[[0]]	Return to weighing mode.

Note : Dynamometer's battery voltage is normally between [[U 3.50]] to [[U 4.70]]. If below [[U 3.10]] the display will flash. Battery should be replaced or recharged

Set Print Method

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[AutoP]] or [[HAndP]]	Displays current print method. AutoP means auto print. Once the weight is over 20e and stable, the indicator will auto print the weighing date. HAndP means manual print. You have to press  key to print data when weight is stable, press  to shift

		from these two functions.
Press 	[[nSPrt]] or [[nHPrt]] or [[noPrt]]	nSPrt means simple print: printing with no date; nHPrt means with head print: printing with date, time, CN,SN; noPrt means do not print. Press  to shift from these three functions.
Press 	[[CHn]] or [[Eng]]	CHn means print in Chinese; Eng means print in English. Press  to shift from these two choices.
Press 	[[Hd.OFF]] or [[Hd.On]]	Hd.OFF means print without header; Hd.On means print with header. Press  to shift from these two choices.
Press 	[[1.XXXX]]	Input header. XXXX is character code; 1 means first character. Press  for second, third character and so on. A total of nine characters. For character code list please see technical manual.
Press 	[[0]]	Save all your settings and return to weighing mode.

Attn: The default **setting** is HandP, nHPrt, Eng, Hd.OFF

4. Weighing Data Processing

In normal weighing mode, every time weighing data is saved to memory, it will be numbered as No:0001, No:0002 and so on. The 580 indicator can save up to 2000 weighing data.

Input CN & SN Number

CN and SN are mainly used to classify different goods. Before weighing, you can input it as Chapter 3-7, 3-8. CN, SN can be used at the same time. After setting them, the weighing data will be classified to these CN, SN. The default is CN:00, SN:00000.

Statics and Print

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[COUnt]]	Press  to print total data recorded. Once P580 is rebooted, it will not print the recorded data.
Press 	[[P0001]]	Press  to print No:0001 data, you can press  to choose different no and print.
Press 	[[LFPrt]]	Press  to forward paper without print
Press 	[[0]]	Return to weighing status

Print Per Date

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[YYYY]]	Displays current year
Press 	[[mm-dd]]	Displays current date
Press 	[[mm-dd]]	Press  until digit m flashes, press  ,  ,  ,  to set date which you want to print data.
Press 	[[0]]	The indicator will print all the times of weighing data based on the date format you'd chosen, total weight and total times. Then will return to weighing status.

Print per CN

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[XX]]	It means current CN is XX, press  ,  ,  ,  to set CN in which you want to print data.
Press 	[[0]]	The indicator will print all times of weighing data classified in the CN set, total weight and total times. Return to weighing status.

Print per SN

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[XXXXX]]	It means current CN is XXXXX, press  ,  ,  ,  to set date in which you want to print data.
Press 	[[0]]	The indicator will print all times of weighing data classified in SN set, total weight and total times. Indicator will return to weighing status.

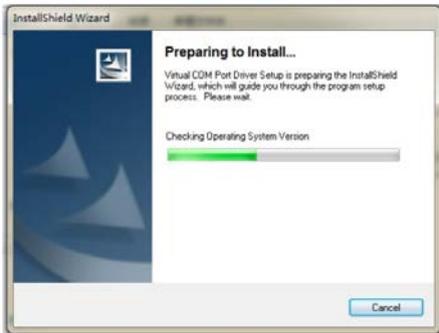
Clear

OPERATION	DISPLAY	ILLUSTRATION
Press 	[[CLrP1]]	Press  will clear current weighing data and return to weighing status
Press 	[[CLrP2]]	Press  will clear total weighing data saved and return to weighing status
Press 	[[0]]	The indicator will print all times of weighing data based on the date format you'd chosen, total weight, and total times. Then return to

5. Communication with PC

Software Installation

When a P580 is connected to a PC for the first time, the PC may request a driver software. Run the driver software provided in the kit (CD provided). Insert CD, then run “VCP_1.3.1_Setup”.



Once driver software is successfully installed, insert the USB cable with the P580 to the PC. The PC shall execute auto installation. You can open the device manager to check the virtual COM port for this USB. At the device manager (see the image below), telling that the driver was successfully installed.



Note: the port number is randomly assigned. Take note the COM port number because you will use it to connect the device using the software.

Running the Weighing Software

After driver software is installed, run the software  **Wireless Scale** from your CD ROM or HDD (if you copied the software), the PC will prompt as follows:



Set the COM port number based on the COM number assigned at device manager.



Then click “Receive” button.

Sometimes, the PC will prompt you to check the port COM3. If you are sure the port COM3 is selected just ignore it and click “Receive” button again

When “STB” turns to red, it means dynamometer’s load is stable. Aside from that, you can click “SAVE” button to save the weighing value as “*.ini” file. You can select the file path and file name in saving it. When you want to check those files you saved, just click “RECALL” button

6. Changing Wireless Channels

Note: () means the key on the dynamometer

【 】 means the key on the indicator

[] means the display content

Changing the Channels of Indicator and Dynamometer with P580

First step is change the channel of dynamometer. Before changing the dynamometer's channel, make sure the channel of both dynamometer and indicator is the same and both devices are communicating properly.

Leave the dynamometer on and switch off the P580. Press and hold the  and then press  until it displays `[[LOCAL]]`.

OPERATION	DISPLAY	ILLUSTRATION
Press  and 	<code>[[LOCAL]]</code>	
Press 	<code>[[CLInt]]</code>	
Press 	<code>[[88888]]</code>	
	<code>[[Ert]]</code>	
	<code>[[u 1.08]]</code>	Displays the Current indicator Software version
	<code>[[CH=E3]]</code>	Displays the current indicator wireless channel E3
	<code>[[U X.XX]]</code>	Displays the Current indicator voltage
	<code>[[SETdC]]</code>	Voltage setting
Press 	<code>[[SEtrF]]</code>	Dynamometer's RF parameter setting
Press 	<code>[[CH E3]]</code>	Displays the current wireless channel (default is E3). Can be selected from 00 to FF. Press  to the value of the digit and press  to move to next digit.
Press 	<code>[[SEtdC]]</code>	Make sure the dynamometer is displaying <code>[[END]]</code> and will return to normal status

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		such as displaying [0]. It means the dynamometer has saved the changes.
Press 	[-----] [0] or [noSig]	If the indicator displays [0], it means the wireless communication is working. If it displays [noSIG] , it means both devices have different channels.

Now that the dynamometer's channel has changed, we will set the channel of P580 to make it the same with its dynamometer. Turn off both the P580 and dynamometer. Press and hold the  and then press  . At this stage the dynamometer should be off.

OPERATION	DISPLAY	ILLUSTRATION
Press  and 	[LOCAL]	
Press 	[88888]	
	[Ert]	
	[u 1.08]	Displays the Current indicator Software version
	[CH=E3]	Displays the current indicator wireless channel E3
	[U X.XX]	Displays the Current handheld instrument voltage
	[LOCAL]	Local parameter setting
Press 	[CH E3]	Displays the current wireless channel (default is E3). Can be set from 00 to FF. Press  to change the value of the digit and press  to move to next digit

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Press 	[End] [----] [0] or [noSIG]	Confirm and save. If the indicator displays [0], it means the wireless communication is working. If it displays [noSIG], it means both devices have different channels.
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