

GMC-P7(F8)

Touch Screen Weighing Controller

(Digital Version Available)



GMC-P7(F8) is a high precision weighing controller with 7-inch touch screen. It is easy for operation and checking data. The new algorithm and optimized A/D conversion scheme make the weighing transmission faster and more accurate. A variety of optional communication interfaces make it easier to interact with data between various equipment systems, It can be used in harsh environment for the applications of platform scale silo weighing, animal weighing, counting, and truck scale.

HARDWARE CONFIGURATION



Standard:

- 5 input (TTL), 5 output (TTL), I/O position can be customized;
- 2 RS485 and 1 RS232;
- Modbus TCP;

Options:

- Profinet or Ethernet/IP;
- 1 analog output;
- 4 relay output;

Digital Version

Standard:

- RS485+ RS232;
- 1 RS485 for digital loadcell interface;
- 5 inputs 5 outputs I/O;
- USB for software upgrading;

Options:

- Analog output;
- ModbusTCP or Ethernet/IP or Profinet;



SOFTWARE SELECTION

- Standard weight transmitting
- Static checkweighing,



GMC-P7(F8)

Touch Screen Weighing Controller

(Static Checkweighing Application)



FEATURES & FUNCTIONS



- 7-inch touch screen, intuitive display, better interaction, easy operation;
- Stainless steel, front panel IP65, strong anti-interference;
- 50 editable formulas for user switching easily;
- Support micro printer and EPSON serial printer, table head and foot is editable;
- 4 million data storage, USB for exporting data;
- Check history records by selecting time or product name;
- Cumulative batches of weights qualified can be recorded;
- Continuous taring function;
- Analog output function;
- Standard 5 IN/5 OUT I/O ports;
- Two-level filtering function dealing with data fluctuating;
- Customized boot screen;
- Multilevel user authority management (operator, administrator);

APPLICATION

Underweight Adding materials until the weight is qualified;
Qualified weight Recording the weight and batch;
Overweight Reducing materials until the weight is qualified;

Printer
Remote display
Tower light
Weighing scale

• Available to connect external devices.

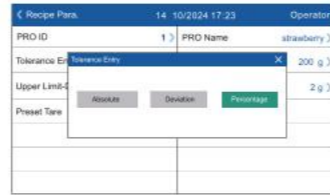
• Available for weighing and counting different types of materials for industry or food retailing markets.

Static Weighing Function

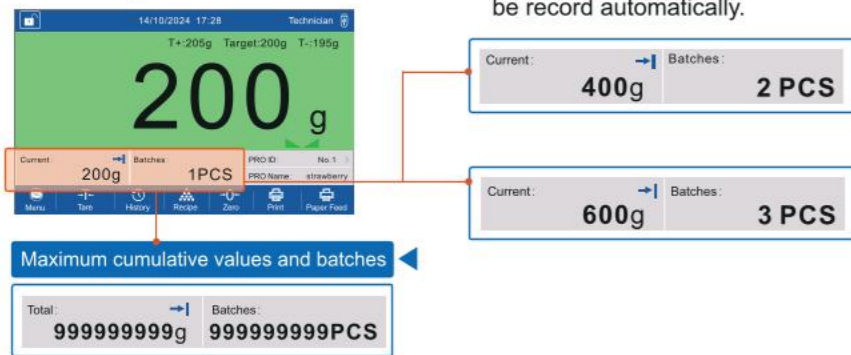
- The weighing result is clear.



- Three tolerance modes: absolute, deviation, percentage; easy to use;



- Recording the accumulated weights and batches, easy to manage;



When it reaches qualified weights, the total weights and batches will be record automatically.



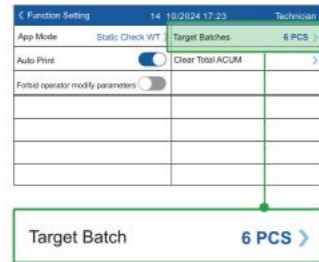
Non-target mode

Record the qualified cumulative weights and batches.



Target-mode

Reach the target weighing batch.



- After reaching the target batch, the completion alarm pop up, and the cumulative weights and batches will be cleared.

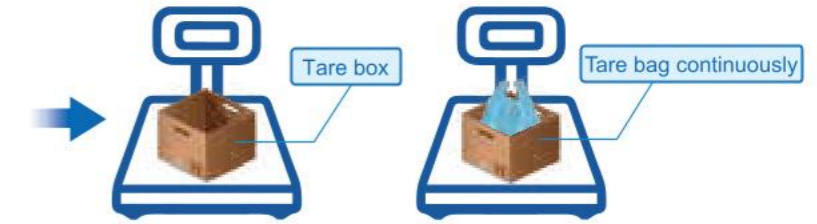


- Two-level filtering: dealing with data fluctuating, make it stable;

- Multilevel sampling rate, more choice for user.



- Continuous taring;



Formula Function

PRO ID	PRO Name	Tolerance Entry	Deviation	Target Value
1	strawberry	Deviation	5g	5g
		Upper Limit-Deviation	5g	5g
		Preset Tare	5g	

Recipe number	PRO Name	Target Value	Upper Limit - Absolute	Lower Limit - Absolute	Preset Tare
No.1	strawberry	200g	205g	195g	10g
No.2	cherry	500g	505g	495g	15g
No.3	bread	800g	805g	795g	5g
No.4	apple	1000g	1005g	995g	10g
No.5	orange	500g	510g	490g	15g
No.6	avocado	500g	505g	495g	13g

- 50 formulas setting:

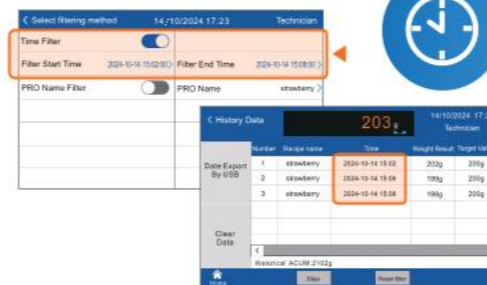
each formula has a corresponding number, name, and supports three tolerance modes.

History Record Function

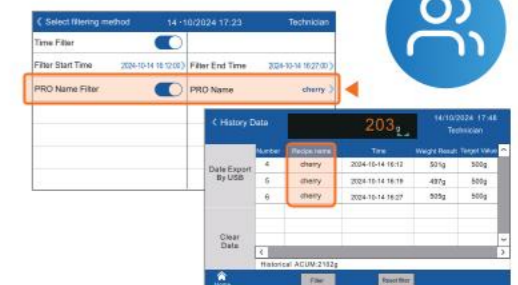
- 4 million history records, including serial number, formula name, time, weighing result, target value, upper limit, lower limit.

Number	Recipe name	Time	Weight Result	Target Value
1	strawberry	2024-10-14 15:02	205g	200g
2	strawberry	2024-10-14 15:06	195g	200g
3	strawberry	2024-10-14 15:08	198g	200g
4	cherry	2024-10-14 16:12	501g	500g
5	cherry	2024-10-14 16:19	497g	500g
6	cherry	2024-10-14 16:27	505g	500g

Check history records by selecting the filter of time



Check history records by selecting the filter of product name

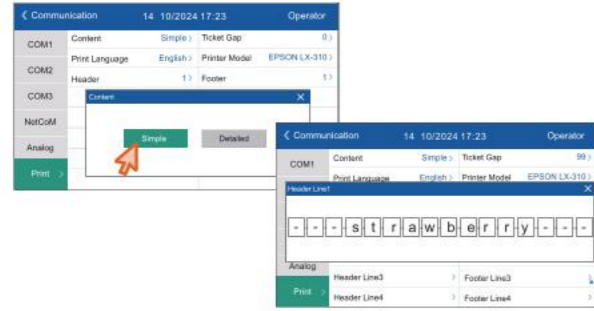


- USB for exporting the history data;



Printing Function

- Support micro printer and EPSON serial printer, table head and foot is editable; Available for Chinese/English printing, simple/standard format printing;



Simple format	Standard format
---strawberry---	---strawberry---
Date 14/10/2024	Date 14/10/2024
Time 15:45:00	Time 15:45:00
TNO. 62	TNO. 62
Net +503 g	Gross +503 g
	Net +503 g
Check HI	Tare +0 g
Sum 10693 g	Check HI
Batches 44PCS	Tareget +500 g
general-measure-	ToL_H +3 g
	ToL_L +3 g
	Entry Deviation
	Sum 10693 g
	Batches 44PCS
	general-measure-

I/O Function



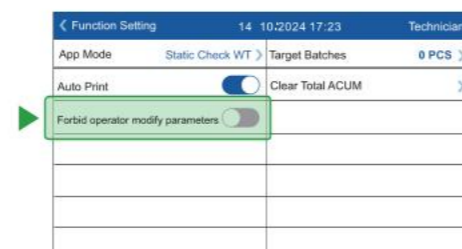
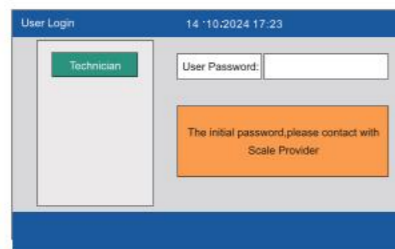
- Standard 5 inputs 5 outputs I/O ports, optional 4 relay outputs;
- Support I/O testing functions;

Boot Screen Function



User Authority Function

- Two-level authority, support admin to manage operator behavior.

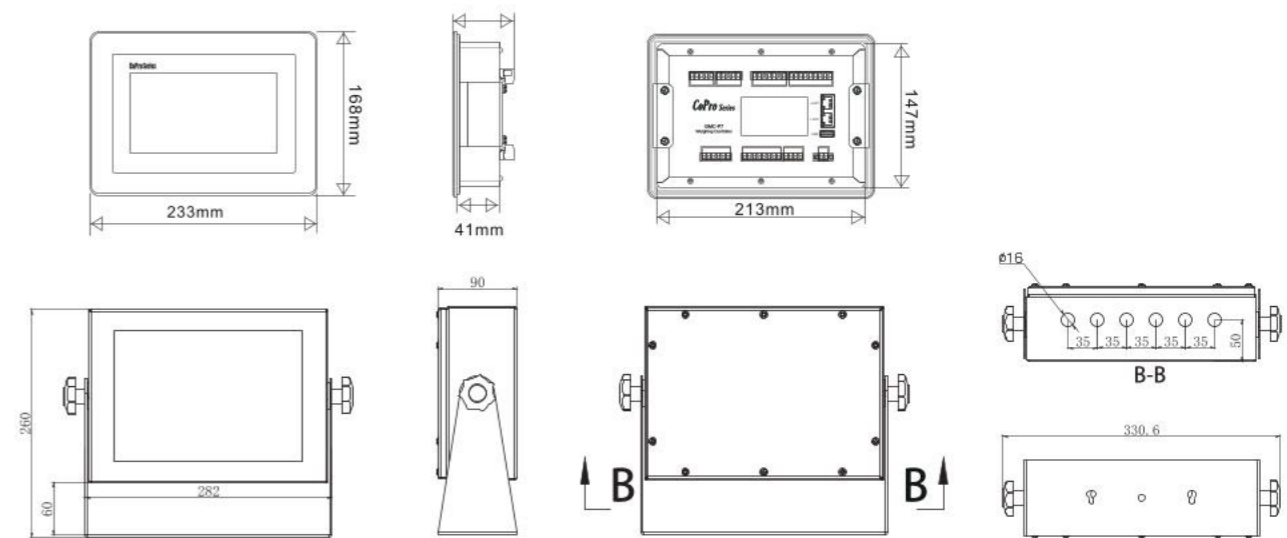


Specifications

	Model	GMC-P7 F8	GMC-P7 F8 Digital Version
General Specifications	Power Supply	DC 24V±5%	
	Working temperature	-10°C~40°C	
	Maximum humidity	90% RH.without dew	
	Testing standards	Class III 6000 e,1μV/d	
	Power consumption	About 15W	
	Measurement Parameters	A/D performance	24 bit Delta-Sigma
A/D conversion speed		50~960 times/per second	N/A
Non-linearity		0.01%F.S	N/A
Gain drift		10PPM/°C	N/A
Input sensitivity		0.02μV/d	N/A
Input range		0.02~15mV	N/A
Display Accuracy		1/100,000	1/100,000
Sensor power supply		DC 5V 125mA(Max)	DC 12V 250mA
Input impedance		10MΩ	N/A
Zero steady range		Maximum 0.002 ~ 15mV(Load Cell 3mV/V)	N/A

Dimension

Unit:mm



*Specification and dimension may be upgraded, please consult sales manager for the latest info.