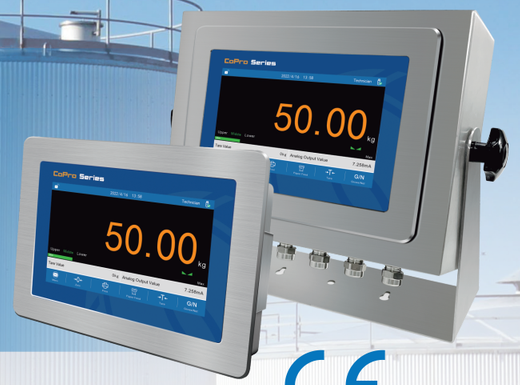
GMC-P7(F8)

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

PROFINET® EtherNet/IP® Modbus TCP/IP

Standard:

- 5 input (TTL), 9 output (5 TTL and 4 relay output), I/O position can be customized;
- 2 RS485 and 1 RS232;
- Modbus TCP;

Options:

- Profinet or Ethernet/IP;
- 1 analog 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;

FEATURES & FUNCTIONS

- 7-inch touch screen provides good interaction, easy for operation;
- Stainless steel casing, robust and anti-interference capability;
- I/O test function and serial test function for user-friendly debugging;
- Built-in web page, which can be connected by Modbus TCP for data interaction;
- Settable upper and lower weight values, which can be read through the communication interface;
- Editable boot screen;
- Static check weigher function;
- Counting function with adaptive adjustment of unit sampling weight;
- Support the connection of printers including Epson printers, while the head and tail of the printed information can be edited.

Standard Specification

General Specifications	Model	GMC-P7 F8	GMC-P7 F8 Digital Version
	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	N/A
	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