

GMT-X1

Weighing Transmitter

(Digital Version Available)

GMT-X1, a DIN rail-mounted weighing transmitter for industrial automation, can be used in various system weighing applications, such as weight checking, loss-in-weight, liquid filling, batching, vessel and silo weighing, etc. Through Bluetooth, it can be connected to Weasy App for configuration and monitoring.



SOFTWARE HIGHLIGHTS

- Liquid filling software selectable ;
- Calibration without weights (by loadcell sensitivity value) ;
- Printer function ;
- Self-testing for I/O and communication port ;
- Self-editable boot screen ;



HARDWARE HIGHLIGHTS

- Stainless steel case with compact design ;
- Different configuration choice, a variety of combinations ;
- Standard: RS485 + RS485/RS232(Selectable)
 - Option 1** 3 Input 5 Output or 3 Input 4 Output relay (Optional) ;
 - Option 2** RS485+16bit Analog or 2 Input 4 Output or CAN OPEN ;
 - Option 3** Modbus TCP or Ethernet/IP or Profinet or Profibus DP ;(Hardware Option1,2,3 can be selected at the same time) ;
- Bluetooth communication.

Digital Version

Standard:

- RS232 or RS485 selectable;
- RS485 for digital loadcell interface;

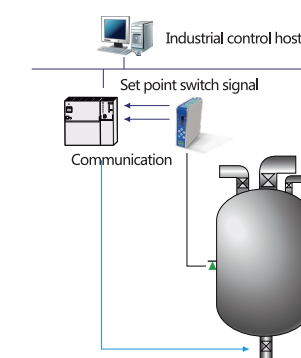
Options:

Same as common version;

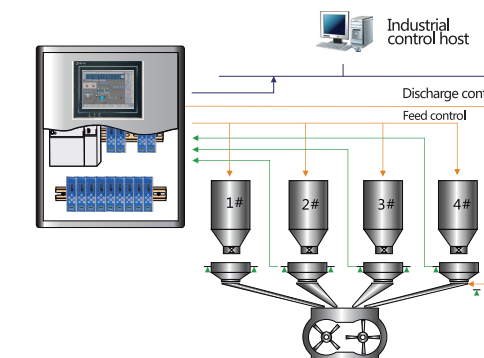
Standard Specification

General Specifications	Model	GMT-X1	GMT-X1 Digital Version
	Power Supply	DC 24V(12~30VDC)	
	Working temperature	-10°C~40°C	
	Maximum humidity	90% RH.without dew	
	Testing standards	Class III 6000 e,1μV/d	
	Power consumption	About 5W	
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	0.1μV/d	N/A
	Display Accuracy	1/1,000,000	1/1,000,000
	Weighing Platform Requirement	1 simulation scale interfacecan connect up to 8 load cells with 350Ω, Support sensitivity in 1mV/V、2mV/V、3mV/V	1 standard RS485 digitalloadcell interface
	Sensor power supply	DC 5V 200mA(Max)	DC12V 250mA, up to connect with 8 digital load cells

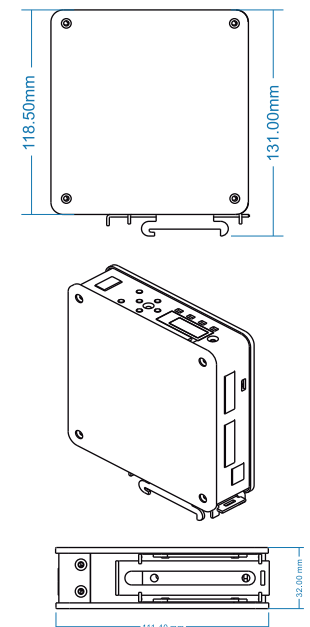
Application



Set point weighing application



Multi-material batching application



GMT-P1

Weighing Transmitter (Digital Version Available)



The GMT-P1 is a panel/harsh-mounted weighing transmitter that offers exceptional reliability, advanced filtering, and tested ability to perform stably under interference of harsh industrial environments. It is customized for dynamic weighing systems with the highest demand for reliability, response speed and accuracy.



FEATURES

- OIML R76 approval;
- With second generation anti-vibration filter;
- Support calibration without weights;
- 1,000,000 weight resolution ability;



HARDWARE HIGHLIGHTS

Standard

- RS232 or RS485 selectable by switch;
- 1 input 2 output I/O;

Options

- Single network port + RS232/RS485 selectable, support Modbus;
- Dual network ports, support ModbusTCP;
- Profinet or Ethernet IP or EtherCAT or CCLink IE;
- Analog output.

Digital Version

Standard

- RS232 or RS485 selectable by switch;
- RS485 for digital loadcell interface;
- 1 input 2 output I/O;

Options

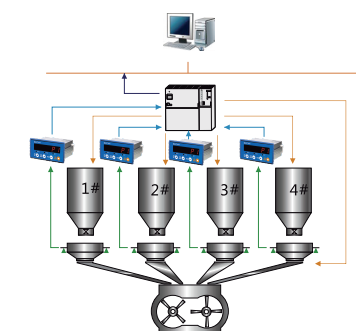
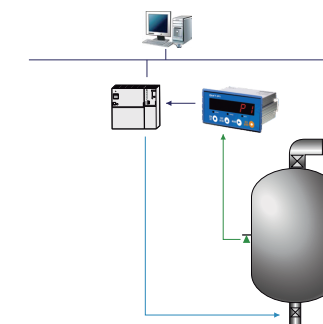
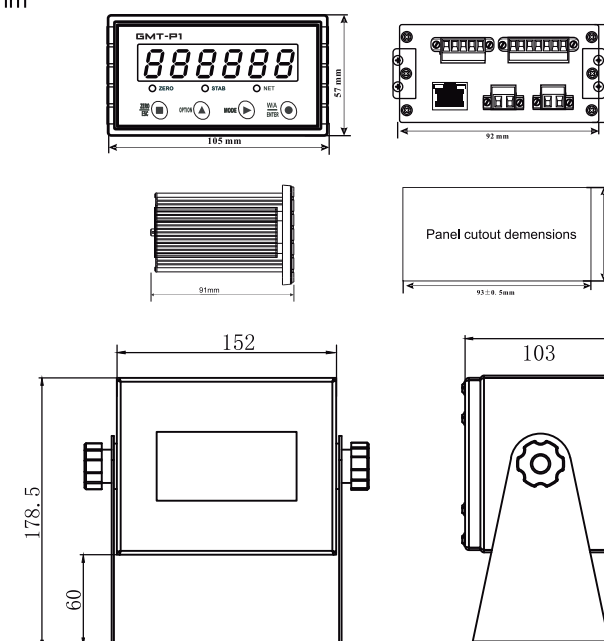
- 16-bit analog output (Voltage/Current Type);

Standard Specification

	Model	GMT-P1	GMT-P1 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 10W	
Measurement Parameters	A/D performance	24 bit Delta-Sigma	N/A
	A/D conversion speed	30/60/120/240/480/960 times/per second	N/A
	Non-linearity	0.01%F.S	N/A
	Gain drift	10PPM/°C	N/A
	Input sensitivity	0.01μV/d	N/A
	Maximum input voltage	0~15mV	N/A
	Display Accuracy	1/1,000,000	1/1,000,000
	Load cell excitation	DC 5V,200mA(Max), Up to 8 load cells (350Ω) can be connected	DC12V, 250mA, up to connect 8 digital load cells
	Dust/water protection	The IP65 display when mounted into a panel	

Application

Unit:mm



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), 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;

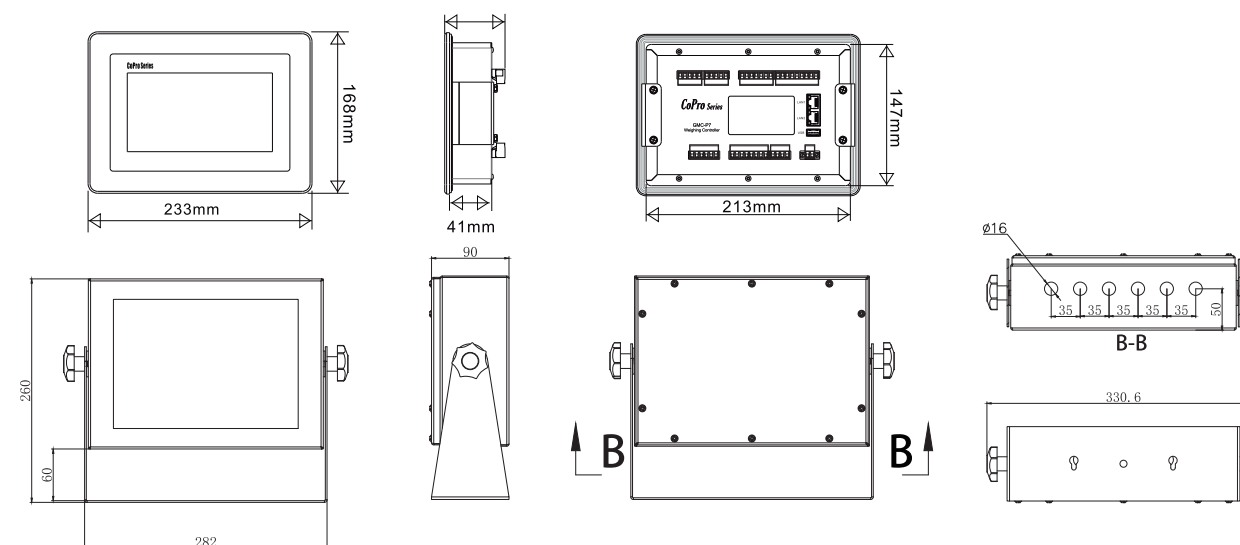
Options:

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

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



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.