

GMT-P1

Weighing Transmitter



The GMT-P1 is a robust panel or harsh-mounted weighing transmitter designed for reliability in challenging industrial environments. It features advanced filtering capabilities and has been rigorously tested to ensure consistent performance under interference. This transmitter is tailored for dynamic weighing systems requiring high reliability, rapid response, and accuracy.

High Performance

- **Standard RS232/RS485:** Selectable via switch.
- **Calibration:** Functions without test weights.
- **I/O Points:** Provides 1 input and 2 outputs as standard.
- **PLC Connectivity:** Simple design for easy PLC connection.
- **Digital Indicator:** Affordable option for various applications.
- **Selectable A/D Sampling:** Options of 30, 60, 120, 240, 480, or 960 times per second.
- **Theoretical Calibration Support:** Compatible with load cell sensitivity calibration.
- **Compact & Lightweight:** Ideal for control panel mounting.
- **High Resolution:** 1,000,000 weight resolution with second-generation vibration cancellation filter.
- **Load Cell Power:** Supports up to 8 load cells with 6-wire connection for long-distance compensation.

Communication Interface



RS485/232+Analog
Output



RS485/232+ Ethernet
(Modbus TCP/IP)



EtherNet/IP or Profinet
or EtherCAT

EtherNet/IP



EtherCAT
Technology Group



Specification

General Specifications	Model	GMT-P1
	Power Supply	DC 24V ±5%
	Working Temperature	-10°C-40°C
	Maximum Humidity	90% .H Without Dew
	Testing Standards	Class III 6000 e, 11 μ V/d
	Power Consumption	About 10W
ND Conversion	ND Performance	24 bit Delta-Sigma
	ND Conversion Speed	30?60/120/240/480/960 times / per second
	Non-Linearity	0.01%F.S
	Gain Drift	10PPM/°C
	Input Sensitivity	0.01 μ V/d
	Maximum Input Voltage	0-15mV
	Display Accuracy	1/1,000,000
	Load Cell Excitation	DC 5V,200mA(max), Up to 8 load cells (3500) can be connected.
	Input Impedance	10MO
Dust/Water Protection	The IP65 Display when Mounted into A Panel	

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Application Diagram

Unit: mm

