GMT-H1

Weighing Transmitter
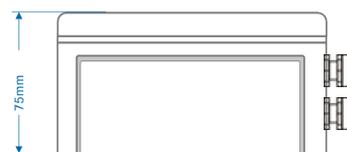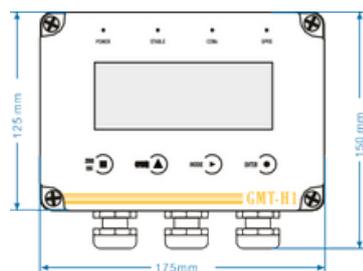
The GMT-H1 weighing transmitterisdesigned for industrial weighing applications. Its rugged mountdesign and IP65 protection rating make it ideal for useinsiloand vessel applications.

Hardware Highlights

- **Anti-DustandWaterproof:** Featuresarugged mount case for enhanced durability.
- **6-Wire Load Cell Interfaces:** Connectsupto 8 load cells with 350Ω each.
- **Theoretical Data Calibration:** Supportscalibration based on theoretical data.
- **Communication Support:** Compatiblewith GPRS, Modbus-RTU, Modbus-TCP/IP, and RS485.
- **Automa tic Data Upload:** Automaticallyuploads relevant weighing data.
- **I/O Port Functionality:** Provides materiallevel information through the I/O port.
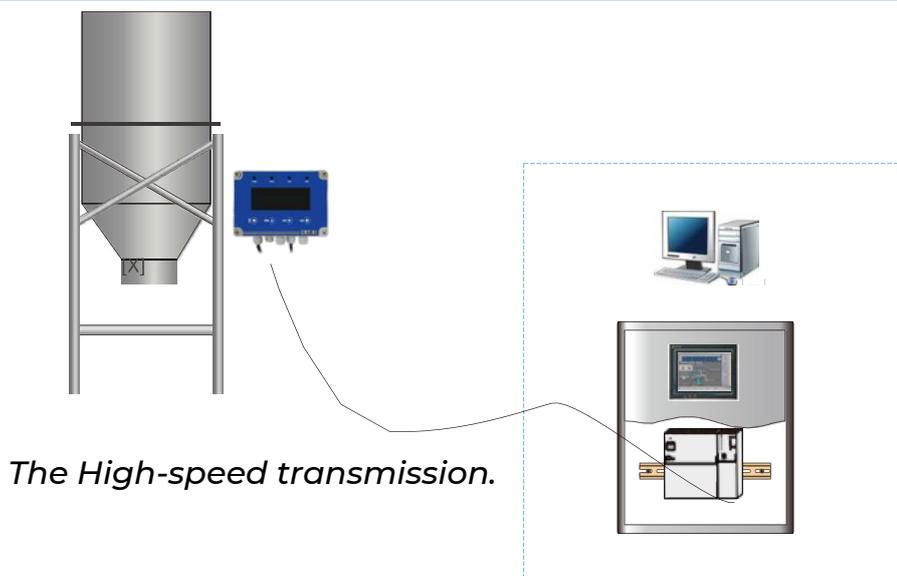
Hardware Highlights

Unit: mm

Specification		
General Specification	Model Power	GMT-H1
	Temperature	AC 90-260V 50Hz(or 60Hz) ±2%
	Power Consumption	-20~60°C; 90% R.H without Dew
	Weights	10W
	A/D Conversion	750g
Measurement Parameters	Sampling Rate	24bit Delta-Sigma
	Non-Linearity	Initial Value: 100times/sec, range: 50,60,120,00,240,400,480 times/sec.
	Gain Drift	0.01% F.S
	Sensitivity	10PPM/°C
	Input Range	0.1µV/d / 0.5µV/d
	Maximum Display Accuracy	Max 0.02-15mV
		1/1,000,000
	Weighing Platform Load Cell	1 Simulated weighing platform load cell interface can connect up to 8 load cells that is in 350 and the sensitivity in 1mVN, 2mVN, 3mVN.
	Load Cell Excitation	5V 200mA (Max)
I/O Interfaces and Communications	RS485(Standard); Support Modbus RTU, continuous transmission protocol	
	RJ45(Standard); Support Modbus-TCP, continuous transmission protocol.	
	GPRS data transmission function.	
	Fixed 10:3 Input, 3 Output	
	Optional 10:3 more (can be self-defined as output or input)	

Application Diagram

The High-speed transmission.