

The G800-EIP Industrial Weighing Indicator is designed to fulfill measurement and control requirements in harsh industrial environments.



Compared to the weighing precision of typical weighing indicators, the high precision and outstanding electromagnetic compatibility of the G800-EIP weighing terminal enable it to better fulfill measurement and control applications in harsh industrial environments. Thanks to its SMT design, the G800-EIP weighing terminal consumes less power and is more compact, allowing it to be panel mounted into to a control cabinet.

From an analog output to industrial Fieldbus to Ethernet, the G800-EIP provides a wide variety of interface options. It can seamlessly connect with many types of PC's, PLC's, and DC's. Its digital communication interface provides direct, high-speed control for a variety of applications such as packaging, filling, dynamic weighing and discharging.

The G800-EIP can be transparently controlled by a PLC or a PC for remote configuration and calibration. Its six-wire load cell interface compensates for signal loss due to long cable runs (up to 300m).

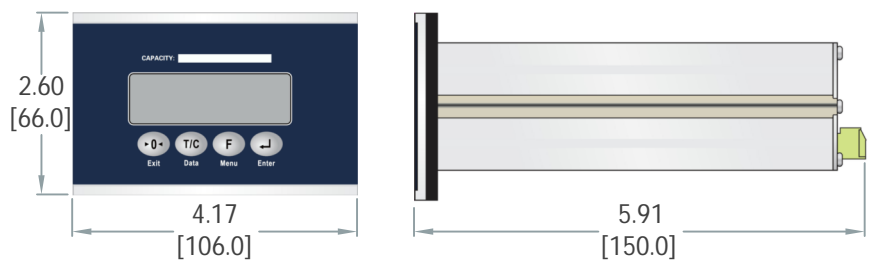
FEATURES

- Compact / low cost.
- Multiple control modes.
- Many reliable data interfaces are supported.
- F.I.R. Digital Band Filter.
- ARM DSP.
- Fast A/D Conversion up to 1000Hz.
- Super Bright OLED Display - No High / Low Temperature Blackout.
- Wide Range of Optional Communication Boards.

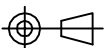
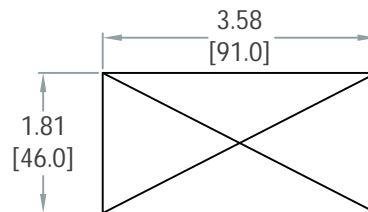
APPLICATIONS

- Packaging, filling, dynamic weighing and discharging.

OUTLINE DIMENSIONS



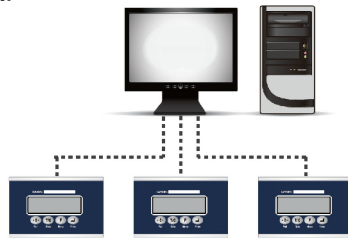
Size of cabinet opening during the process of panel mounting:



Industrial Weighing Indicator G800-EIP

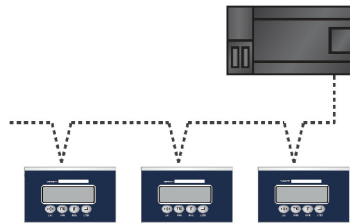
APPLICATIONS

RS-232 serial communication.



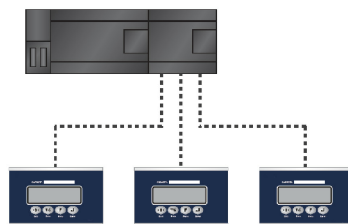
- Continuous or demand output formats.
- Popular communication protocol is supported.
- Remote zero and tare functions are supported.
- All interfaces feature ESD protection.

RS-485 serial bus communication



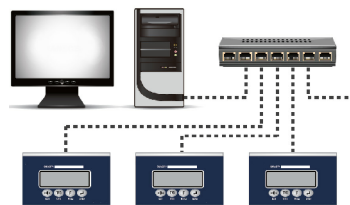
- Baud rate: 2400 to 115200 bps (selectable)
- Communication response time < 5 ms
- Indicator always used as a slave
- Supports MODBUS RTU slave protocol

Analog Output



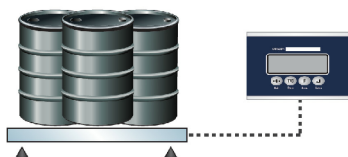
- Support multiple analog output, such as 0~10V, 0~5V, 4~20mA, 0~24mA multiple output formats.
- 16-bit D to A conversion (1/32767).
- Fully adjustable via front keypad.

10/100M Industrial Ethernet Interface



- Connect with PC or PLC through network switch
- Standard RJ45 interface, with Internet status indication
- Communication speed 10/100, supports multiple sub stations
- Simple, easy-to-use TCP/UDP protocol

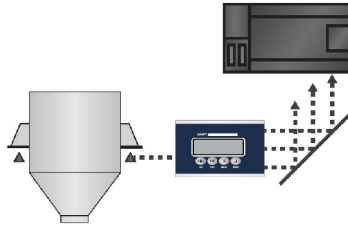
Weighing



- Displayed graduations: 100 to 100,000 (selectable)
- AD sampling frequency of 10~1000HZ can be set, a variety of data filtering
Options can be selected to meet the dynamic / static requirements of different applications.
- Remote or local zero, tare and calibration function.

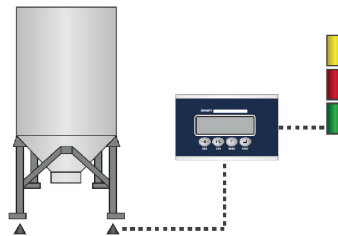
Industrial Weighing Indicator G800-EIP

Set Point outputs



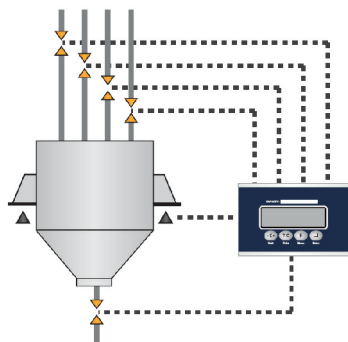
- AD sampling frequency of 10~1000HZ can be set, a variety of data filtering options can be selected to meet the dynamic / static requirements of different applications.
- Set point output thru internal relays.
- Set point is defined as the result of a preset value compared to the displayed weight.

High/Low Alarm



- Set high high/high/low/low low values via keypad.
- Internal relays can control the output warning signal.
- Supports Silo material filling.
- Some models only support 3 alarm points.

Simple fixed value and feeding control automatically



- Supports fixed value feeding and discharging.
- Two set points (via keyboard).
- Manually select material type.
- Internal relay control.
- Supports fully automatic or semi-automatic batching of up to four types of material.
- Choose single or double speed control for each kind of material.
- Automatically adjusts the feeding and discharging material resolution.
- Manually set input/output control function.

Industrial Weighing Indicator G800-EIP



SPECIFICATIONS

Model	G800-EIP
Housing	Rear cover: SS304 stainless steel/ Front housing: Aluminum Extrusion
Installation	Face-Plate mounting
Interface	Drives up to 4 – 350Ω load cells, or equivalent parallel resistance >87 Ω
Display Division	100~100,000, Up to 10 degrees
AD Sampling rate	10~1000Hz, selectable
Excitation	+4.5 VDC, 100mA
Power consumption	5W (Indicator max power consumption)
Filtering	Built-in six-order dynamic filtering algorithm
Display	128*32dots OLED dot matrix display, the font size of weight display is 9.5mm (H) *6.5mm (W)
Keypad	4 function keys
Serial Interfaces	USB 2.0 standard, RS-232 or RS-485 optional
Power	Ac 86VAC~264VAC @50/60hz power supply, or dc 12VDC, 24VDC power supply
Operating Temperature	-10°C~45°C, 10%~90%RH,non-condensing
Storage Temperature	-10°C~45°C, 10%~90%RH,non-condensing

Dimensions and specifications subject to change without notice