PRODUCT GUIDE

GS100P
Load Cell Controller

- High speed, high accuracy weighing and level measurement operations
- Stand-alone control/interface for PLC applications
- Suited for tank & silo applications

■ FEATURES

- Offset and span trim calibration functions allow calibration without the application of test masses

- Suited for tank and silo applications

- Relay, serial and analog output options make it valuable for stand-alone control or as an interface for PC, PLC & HMI applications

- Industrial hardened and ideal as a weighing controller in packaging machines and batch controllers

- Intuitive scrolling text menus guide you step by step through the effortless setup and calibration process

- The world's most user-friendly and versatile load cell controller

- Easy-to-use front panel configuration

The ideal controller for
high speed, high accuracy weighing, batching & level measurement operations

SPECIFICATIONS

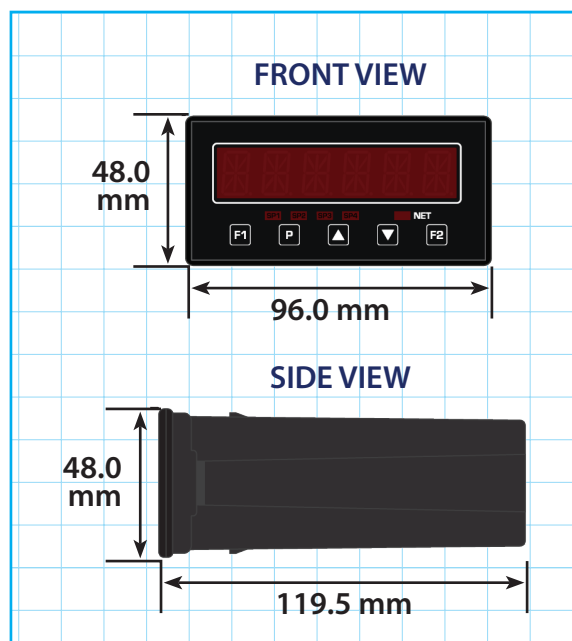| Model	GS100P
Input	4/6-wire strain gauge 1-5mV/V
Power supply	HV - 85-265V AC / 95-370V DC LV - 15-48V AC / 10-72V DC
Relay outputs *(optional)*	4 x 5A form A relays (250V rated)
Analog output *(optional)*	Isolated 16-bit 4-20mA / 0-10V 7Hz output (fully scalable). Windows programmable over any range within the full-scale range of the controller
Serial port *(optional)*	Isolated option 2 or option 4 serial port » Modes: ASCII, Modbus/RTU slave, Ranger A » Data ranges: 300-38400 » Parity: Odd, even or none
Excitation	5V DC excitation supplied (powers up to 8 x 350Ω load cells)
Sampling rate	Up to 50Hz
Resolution	18-bit
Accuracy	0.005% of reading
Temperature drift	Typically 3ppm/°C
Calibration	Pre-calibrated for 0-10,000 counts (2mV/V sensor gain at full scale). Can be recalibrated using the auto (apply mass) or mV/V method. Adjustable zero offset and span
Easy setup	Intuitive text prompts facilitate easy setup
Security	Calibration and setpoint functions have independent security code access. Direct access to setpoint activation values is independently configurable
Inputs	Hold, lock, tare, batch, zero, peak hold and print remote commands
Display	6-digit, 14-segment LED alphanumeric
LEDs	4 x setpoint, 1 x NET
Buttons	5 buttons: program, up, down and 2 menu buttons
Dimensions	48 x 96 x 119.5mm (H x W x D)
Panel cutout	45.5 x 92.5mm

ORDER CODES

Order Code		Description
GS100		GS Series
P		Panel mount
- LV		15-48V AC / 10-72V DC power supply
- HV		85-265V AC / 95-370V DC power supply
- R		Relay outputs (4) form A
- 2		RS232 isolated output
- 4		RS485 isolated output
- A		Analog output option installed

OPTIONS

Order Code	Description
GS - R	4x form A relays (240V, 5A rated)
GS - 2	RS232 isolated serial output
GS - 4	RS485 isolated serial output
GS - A	Analog isolated source powered output (4-20mA, 1-5V)

DIMENSIONS

FRONT VIEW

48.0 mm

96.0 mm

SIDE VIEW

48.0 mm

119.5 mm

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- **weighing equipment**
- **packaging equipment**
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■ AWE PRODUCT RANGE

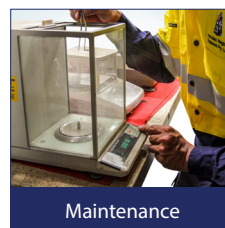| Weighbridges	Load Cells	Scales	Crane Scales	Indicators

Packaging Equipment	Onboard Weighing	Batching Consoles	Test Weight	Maintenance

■ WHO IS "AUSTRALIAN WEIGHING EQUIPMENT GROUP"

Jeff & Trevor Baillie started Australian Weighing Equipment (or AWE) in 1981, focusing on weighing solutions based on engineering principles. Over 40 years, AWE has built its reputation as a leading supplier of robust weighing, packaging & bulk handling equipment. Our innovative engineering and continuous product developments have led to designs that will stand up to the rigours and demands of your applications.

AWE has increased its investment in manufacturing facilities with a new 3,200sq/m factory in Sydney featuring;

- A CNC Machine Shop
- Heavy Metal Fabrication Shop
- Larger work areas for our team of qualified tradesman

Acquisitions of Bradwood Packaging and Dendy Packaging and Design Engineering has increased our packaging and engineering experience.

In 2008, AWE established a manufacturing facility in China - AWE Group Packaging and Bulk Materials Handling Equipment, a purpose-built 5,000sq/m factory in Suzhou China (70kms From Shanghai).

All of the products we offer are Australian designed and manufactured under our strict quality control system in our own factories both locally and internationally.

■ AUSTRALIAN WEIGHING EQUIPMENT OFFICE LOCATIONS

Australian Weighing Equipment - Sydney Office

8 Heald Road
Ingleburn, NSW 2565

Australian Weighing Equipment - Brisbane Office

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Underwood, QLD 4119

Australian Weighing Equipment - Melbourne Office

27 Rhur Street
Dandenong South, VIC 3175

■ AUSTRALIAN WEIGHING EQUIPMENT ON SOCIAL MEDIA

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