

GS100P

LOADCELL PROCESS CONTROLLER



GS100P SUMMARY

The **GS100P** is the ideal controller for high-speed, high-accuracy weighing, batching and level measurement operations.

The offset and span trim calibration functions make this controller ideally suited for tank and silo applications, as the system can be calibrated without the application of test masses.

Relay, serial and analog output options make it valuable for stand-alone control or as an interface for PC, PLC & HMI applications. This instrument is 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, making the **GS100P** the world's most user-friendly and versatile load-cell controller.

GENERAL SPECIFICATIONS

<i>Input</i>	4/6-wire strain gauge 1-5mV/V
<i>Power supply</i>	HV - 85-265V AC / 95-370V DC LV - 15-48V AC / 10-72V DC
<i>Relay outputs</i> [OPTIONAL]	4 x 5A form A relays (250V rated)
<i>Analog output</i> [OPTIONAL]	Isolated 16-bit 4-20mA / 0-10V 7Hz output (fully scaleable). Window programmable over any range within the full-scale range of the controller.
<i>Serial port</i> [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
<i>Excitation</i>	5V DC excitation supplied (powers up to 8 x 350Ω load-cells)
<i>Sampling rate</i>	Up to 50Hz
<i>Resolution</i>	18-bit
<i>Accuracy</i>	0.005% of reading
<i>Temperature drift</i>	Typically 3ppm/°C
<i>Calibration</i>	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.
<i>Easy setup</i>	Intuitive text prompts facilitate easy setup
<i>Security</i>	Calibration and setpoint functions have independent security code access. Direct access to setpoint activation values is independently configurable.
<i>Inputs</i>	Hold, lock, tare, batch, zero, peak hold and print remote commands

OPTIONS (AS SPARE PARTS)

- 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)

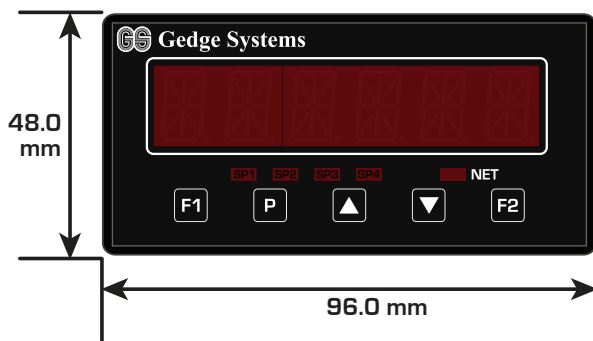
GS100 SERIES ORDERING CODES

GS100	Gedge 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

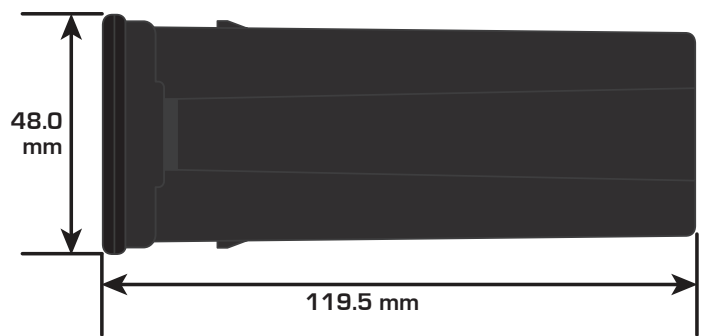
CASE SPECIFICATIONS

- Display* 6-digit, 14-segment LED alphanumeric
- LED's* 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

FRONT VIEW



SIDE VIEW



Gedge Systems

488 Church Street, Richmond,
Victoria 3121, Australia

PH +61 (3) 9429-8396

FAX +61 (3) 9429-8097

WEB www.gedgesystems.com.au

EMAIL info@gedgesystems.com.au

Distributor:

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