



Gedge Systems

## GS Batching Console

**The GS Control Cabinet is designed and adapted for use with the GS Series Batching and Filling Controllers.**

- Checkweighers
- Counters
- Indicators
- Instrument Protection
- Load Cells
- Material Handling
- Onboard Weighing
- Packaging Equipment
- Process Weighing
- Recipe System
- Scales
- Silo Weighing
- Software
- Test Masses
- Weighbridges



## GS Batching Consoles

The GS Smart Box Utility Console is designed and adapted for use with the GS Series Batching and Filling Controllers. The portable full metal housing provides an IP68 compact enclosure to house the Digital Batching Indicators designed and manufactured by Gedge Systems. This unit is fully self-contained and all hardware items are mounted onto the rear of the box lid, which is easily removed for fitting into new or existing control panels.

- The Complete Low-Cost Automated Batching Solution with all batching logic built-in
- Clear and readable alpha-numeric characters can be viewed by user-operator to select items by its real name, e.g. cement, fly ash, etc.
- Fully automatic batching can run single batches or continuous cycles without operator intervention.
- In critical situations where a fault should occur, a large red EMERGENCY STOP Button can be pressed to cease machine operation.
- Built-in safety features are integrated for error-free batching like Keyboard lock etc.
- Recipes in memory can be stored and altered in percentages or multiplied values. Separate batch sizes are quickly stored, prepared and dispatched.
- Programmable weighing electronics configurable to suit all weighing applications and the complete series of GS Batch Controllers manufactured by AWE and Gedge Systems
- Fully Compatible with Gedge Systems GS Series Batch Controllers

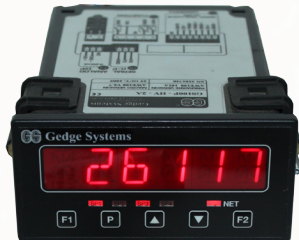


## What You Get With GS Batching Control Console

- GS 2100 Weight Indicator & Dual Set Point Level Controller
- GS 2150 Fully Self Contained Solution for all Filling Applications
- GS 2750 Weight Indicator & 4-Set Point Batch Controller
- GS 2800 High Speed Multi-Recipe Multi-Ingredient Fully Self Contained Batch Controller
- GS 3100 Weight Indicator & Computer/PLC Front End-ModBus-DeviceNet & More
- GS 3850 Eight Set Point Batch Controller for use with GS1650Mk3/GS2750
- GS 100R Rear Mount Digital Weight Indicator
- GS 100P Panel Mount Digital Weight Indicator

## GS100P Panel Mount Digital Weight Indicator

GS100P Gedge systems latest design panel mount indicator this is the ideal controller for high-speed, high accuracy weighing, batching and level measurement operations. Whether it be a simple weigh only operation or with retransmission or a sophisticated batching application the GS100P series controller has the right solution. Manufactured for the most Arduous of conditions including wide range power supplies , remote inputs , relay outputs , as well as the standard analogue or digital options .



GS Batching Console

- Used on weighbridges, so the driver can check the loads
- Overhead Cranes
- Concrete Batching Plant
- Food and Chemical Industry
- Silo & Tan Weighing
- Waste Industries

## What You Get With The GS100P Indicator

- High resolution weighing as standard 10,000 divisions.
- High Voltage power supply - 85-265V AC/95-370V DC
- Low Voltage power supply - 15-48V AC/10-72V DC
- Can be recalibrated using the auto (key-in) or mV/V method. Adjustable
- Easy setup Intuitive text prompts facilitate easy setup
- Bright 14mm Red LED SIX Digit Display
- Display Increments 1, 2, 5, 10, 20,50 and 100
- Can display to 199,990 in kg, g, t, lb, N any units
- Can be Optioned with Analogy , Serial Output and I/O
- Includes Linearity Correction for Non-Linear Installations
- Easy to Install - Full Keyboard Setup and Calibration
- Very high Thermal Stability
- positive and negative batching
- remote inputs from external devices
- software in instrument is customisable to fit your solution
- 4 or 6 Wire Load Cell connection for Remote Excitation Sense
- Excitation Drive of 5VDC for up to Eight 350 Ohm Load Cells
- Not a Just a Meter but a Serious Weighing Instrument
- Security Calibration and set point functions have independent security code access.
- Direct access to set point activation values is independently configurable.
- Not a Just a Meter but a Serious Weighing Instrument

## Applications

- Silos and Hopper Weighing
- Ideal for signal conditioning, from loadcell mv, to 4-20mA, 0-10VDC, RS232 or RS485
- Ideal for simple batching
- High and Low Level Silo/Bin detection
- Tank Weighing• Force Measurement with Settable Force Limits
- PLC/SCADA Weighing Interface

## GS2150 Dual Speed Feeder "Super Fast" Batch Controller



GS2150 Single Ingredient Self Contained FILL Controller for Bags, Boxes, Bottles

## What You Get With The GS2150 Batch Indicator

- All Units 100% Tested for Accuracy & Thermal Stability
- A few external switches are all that is required for a complete filling solution.
- Fully self contained automatic high speed batching sequences.
- High Speed to an effective 800 samples per second.
- FOUR Optically Isolated 24VDC Logic Inputs START, STOP, TARE & KEY LOCK.
- FOUR Optically Isolated 24VDC Logic Outputs SLOW & FAST FEED, ZERO BAND & BATCH COMPLETE.
- Short Enclosure c/w Panel Mount Clamps
- Display resolution 1 in 10000
- Bright 14mm Red LED display

## What You Get With The GS100P Batch Indicator

- All Units 100% Tested for Accuracy & Thermal Stability
- A few external switches are all that is required for a complete filling solution.
- Fully self contained automatic high speed batching sequences.
- High Speed to an effective 800 samples per second.
- FOUR Optically Isolated 24VDC Logic Inputs START, STOP, TARE & KEY LOCK.
- FOUR Optically Isolated 24VDC Logic Outputs SLOW & FAST FEED, ZERO BAND & BATCH COMPLETE.
- Short Enclosure c/w Panel Mount Clamps
- Display resolution 1 in 10000
- Bright 14mm Red LED display

## Applications

- Bottle Filling
- Bag Filling
- Bulk Bag Filling & Emptying

## GS2750 Digital Weight Indicator & Four Setpoint Controller

The GS2750 is the ideal Batch Controller for any application requiring set point alarms or weigh feeder controls. The GS2750 is a versatile, intelligent, user configurable low cost Set Point and Batch Weighing Controller. A wide range of Options which include High Stability Analog Output Cards and Serial I/O Cards expand the GS2750's capabilities.



## What You Get With A GS2750 Batch Indicator

- Display resolution to 1 in 10,000
- Download up to 72 Setpoints via Optional Serial I/O Card
- Bright 14mm 6 Digit Red LED display to 199,990
- Full Digital Setup and Keyboard Calibration
- Can be Calibrated in ANY Units kg, t, lb, g, N, kN etc
- Four Programmable Setpoints
- 4 Optically Isolated Open Collector Outputs
- 62.5kbaud RS-422 Output for GS Remote Displays and Controllers
- Optically Isolated Remote Keyboard Interface
- Excitation Sense designed for Accurate operation through Intrinsic Safety Barriers
- 10VDC Excitation for up to 8 x 350Ohm Load Cells
- High Accuracy and High Thermal Stability
- All Units 100% Tested for Accuracy & Thermal Stability

## Applications

- Four Ingredient Batching System
- Silo Weighing
- Hopper Weighing
- Conveyor Weighing
- PLC/SCADA Weighing Interface
- Force Measurement with Settable Force Limits

## GS3100 Weigh/Batching Computer/PLC Front End



## What You Get With The GS3100 Batch Indicator

- Remote Computer/PLC can WRITE MESSAGES to the DISPLAY
- Can Operate in Foreground or Background Mode
- Can send WEIGHT in STREAM or ON-DEMAND mode
- Front Panel Keystrokes can be Sent to Remote Computer/PLC
- Excitation Sensing Design allows Accurate Weighing THROUGH I/S BARRIERS
- Multi Tasking Batch and Fieldbus Controller
- Available with MODBUS RTU/ASCII
- Use of Communicators provides DeviceNET and other protocols
- Standard RS-232C Serial Output
- Bright 14mm Red LED display, Resolution of 1 in 10,000
- Display to 199,990 in kg, t, g, LB anything.
- Operates up to 8 x 350Ohm Load Cells
- Two Optically Isolated Open Collector Setpoint Outputs (5-48VDC 0.5A)
- Operator Interface, Shop floor data capture
- All Units 100% Tested for Accuracy & Thermal Stability
- Panel Mount Clamps supplied as Standard

## Applications

- Operator Data Capture
- Batching and Control Systems
- Remote Silo level indication via Modem
- PLC/PC Front End Indicator/Controller
- Pharmaceutical, Chemical, Foods, Stock Feed, Concrete - Any Industry Really

## What you Get With Your GS Batching Console

- Large Front Panel and Keyboard. Easy operation of 12mm keys even with gloves on.
- Extra large six-digit 14mm LED display is clearly readable from a distance and in low-light or fog conditions
- Designed to Withstand the Heat with stay cool NO-OVERHEAT design
- Time and Date options, Simultaneous Analog & Serial Outputs and Optically Isolated Serial Options
- Australian Weights and Measures Approved to 8,5000 divisions. NSC Certificate S193B.
- IP65 Stainless Steel Remote Display. With the fitment of a low cost serial card (Option01),
- Connect to as many as eleven remote displays and weight controllers over distances to 1,000 meters.
- IP65 rated Stainless Steel housed 40mm
- High Visibility Remote Display model GS1040-99, perfect for all weight "display repeater" applications.
- Assured Quality. By experience, design and in-house production quality control.
- Each Indicator is shipped with a signed and numbered quality certificate.
- Weight Indicators of Choice. Gedge Systems Weight Indicators are chosen by more Major Australian Weighbridge & Scale Manufacturers than any other Brand – and for good reasons: Quality, Reliability, Accuracy, Australian Made
- Fully Compliant. Meets the latest Australian and European EMI/RFI immunity and emission standards

## GS Batching Console Options

GS120P is very power full indicator with compact size and can be easily mounted in the driver cabin.

- ✓ It can be powered using the truck battery.
- ✓ With multiple load cell system you can have a summing box for averaging the input from all load cells to single output, allowing individual Axle Weights, Totals, Groups, Gross/Net etc.
- ✓ This output is connected to GS100P for digital weight display of the entire system.
- ✓ It is 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 set point functions have independent security code access.
- ✓ Set points can be used to define the overload and activate alarm system via 4 relay outputs.
- ✓ Can customise outputs, to suit your requirements
- ✓ Assured Quality. Through experience, design and in-house production control. Also each Indicator is shipped with a signed and numbered quality certificate.
- ✓ Weight Indicators of Choice. Gedge Systems Weight Indicators are chosen by more Major Australian Weighbridge & Scale Manufacturers than any other Brand – and for good reason:- Quality, Reliability, Accuracy, Australian Made

## Other Gedges Products

A wide range of accessories is available for all GS- Load Cells. They make using the GSPE-7 range of Shear Beam Load Cells in your application easier and more cost effective while at the same time meeting your requirements for strength and durability.

The easiest way to fix LoadCells "to the floor" is to mount them on our 550MPa C45 Zinc Plated Steel BASE PLATES and then bolt the Base Plate to the floor. Shear Beam LoadCells, especially High Capacity models, require large "hold down" forces in the bolts and our range of 550MPa HT steel base plates have been designed and teamed with the right grade of bolts to assure you of a safe and reliable mounting arrangement. We have base plates for all our GS2107 Series of Shear Beam LoadCells and are adding base plates for other Shear Beam models in our extensive GS Range.



Gedge Indicator



GSPE-7 Shear Beam Load Cell



GS100P Indicator



GS100R Indicator



GS2126 loadcell



GSAGX Shear Beam Load Cell



GS2750 INDICATOR



GS120 Large Display



## THE GEDGE STORY

Gedge Systems, head office is situated in Melbourne Australia located near the bustling area of Dandenong. It started when founder Brian Gedge discovered there was a large hole in the market place for quality instrumentation and weighing componentry both in the local and international market places. Brian's background was strongly rooted in the fundamental technology on which all weighing is based, this being applied stress analysis and the application of bonded resistive strain gauge technology both in experimental stress analysis and the manufacture of force and weight transducers – otherwise known as load cells.

With this technology in hand and partnering with a Team of electronic, electrical and mechanical engineers in 1978 the company was trading with a newly developed load cell and instrumentation product line. Over the years with new models and continuing the Research & Development. The Gedge brand has grown to be a company, recognised internationally.

Gedge Systems is Australia's longest established manufacturer of high quality, high accuracy and high reliability Industrial Weighing electronics. We have been producing weighing equipment from our Melbourne plant since 1978, we have shipped tens of thousands of our Digital Weight Indicators, Batch Controllers and General Industrial Weighing Equipment throughout Australia and Overseas. Many of the products you see around you, and use, will have been made using our Weighing and Batching Equipment. There is scarcely a plant in Australia that does not have somewhere one of our Weighing and Batching products to meter and weigh material it may be on an Industrial Weighing Scale, connected to Silos, Mixers or Hoppers, connected to Weighbridges, controlling a bottle or bag filler or in any one of the countless situations that need process materials by weight.

The list is endless. If yours is a plant that processes material by weight, then it is almost certain you will already have one of our distinct 'blue boxes' in your factory – it may very well have been serving you for 20 years or more, as our products have an enviable reputation for reliability and, as we don't believe in "planned obsolescence", you will find we can service and support that product today.



Notable milestones for Gedge Systems are that we were the FIRST manufacturer in Australia to obtain Weights & Measures Approval for the use of our Digital Weight Indicator in 'trade weighing'. Our model GS1400 was approved by the National Standards Commission (NSC now NMI) in 1985 for use to 5,000 divisions. Since then we have obtained successive updates of Approvals on our GS1650 Series of Digital Weight Indicators which today set the Accuracy and Stability Benchmark, being Approved for Trade weighing to 8,500 divisions. Weights and Measures Approved Equipment must be used wherever goods are sold by weight - this applies as much at the Retail level in Shops and Supermarkets as it does at the Industrial level in factories and on weighbridges.

Gedge System's successful history is continuing with numerous new developments, and many new products and applications that have been launched into the market -The technological know-how which has been continuously acquired and enhanced which gives us the leading edge over our competitors with a majority of the product being designed and manufactured here locally in Australia.



Call the Gedge Systems Technical Sales or Engineering Team for the right solution for your business.

Gedge Systems prides itself on providing plain english proposals, there's no hidden surprises. You'll know what you're getting.

Gedge Systems manufactures Indicators, Load cells, & Industrial Weighing Solutions

So if you have questions about an industrial weighing solution, then talk to Gedge Systems about our solutions.

Call or email us today and find out how our sales team and project engineers can assist you in finding the best weighing & batching solution for your needs.

## Other Gedges Products

A wide range of accessories is available for all GS- Load Cells. They make using the GS-AGX-1 range of Shear Beam Load Cells in your application easier and more cost effective while at the same time meeting your requirements for strength and durability.



GS100P Indicator



GS100R Indicator



GS2750 INDICATOR



GS2126 loadcell



GS-AGX-1 Shear Beam Load Cell



GS120 Large Display

**GEDGE SYSTEMS - Since 1978 Australia's Leading Manufacturer of High Accuracy Weighing Instrumentation and Weighing Componentry**



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