Gedge Systems

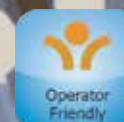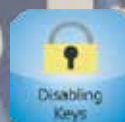## GS120 High Intensity LED Large Display

Ideal uses:

Weighbridges

Overhead Cranes Systems

Counting Applications
Alpha Characters

Any Weighing Application Requiring Large Digital Displays

Australian Standards | C-Tick | RS-232C Interface | Disabling Keys | Operator Friendly

Gedge Systems

Big. Bright. Clear.
And Works Anywhere you need it.

Overhead Crane Application

Weighbridge Application for Drivers to check Weight of Load

Automatically Pairs with External Instruments. Or can be set manually.

Top Features of the GS120:

- Tested in all weather conditions. Indoor or Outdoor. Very high thermal stability

- Clear Visibility - Up to 120 metres.

- High-speed + High Accuracy: Weighing, Batching & Level Measurement Operations.

- Extra Large bright clear high-intensity LED display.

- 120º Degree Viewing Angle - Allows for Clear View at a Distance

- Isolated RS232 or RS485/422 Serial Inputs, Counter Inputs.Analogue: 4-20mA/0-10V

Major Industries rely on the GS120

Industries that use our Large, High Visibility Display:

- Chemical   • Waste   • Food

- Pharmaceutical   • Beverage

Ideal Uses:

- Used on weighbridges, so the driver can check their loads

- Overhead Cranes

- Concrete Batching Plant

- Silo & Tank Weighing

- Used as a pulse counter in any counting application

- Used where Industrial Construction is essential: e.g. Hopper, Tank & Silo Weighing in hostile environments

Features of the GS120:

- Auto-Detecting Software for pairing instruments or can be set manually

- Intuitive Text Prompts for easy set up

- Remote Inputs (requires external devices)

- 3 x 5A relays for Stop/Go Lights or Centre of Zero Light

- Display in kg,g,t,lb,N, Kn, P.S.I, Bar

- Customisable inputs to suit your application

Full Specifications - Page 1 of 2

Performance	
Power Consumption	40W (max)
Interface	20mA current loop, RS232, RS422/485
Character Input Format	All standard ASCII characters
Display	4-digit, 5-digit, 6-digit LED Extra Large, 180mm by 78mm wide, each digit which contains 68 hi-density, wide angle LEDs arranged into dual rows for improved digit definition. Status annunciators Motion, Centre of Zero and Net are available on some models.
Viewing Range	Up to 120 metres
Viewing Angle	120º Degrees
Operating Environment	Temp 0°C to +50°C, humidity <90% non-condensing
Ambient Temperature	-10º to +65º C
Ambient Humidity	5 - 95% v
Digital	
Easy Setup	Fully automatic for GS Indicators and most popular brands, using appropriate strings. Semi-automatic for other compatible brands.
Memory Retention	Full non-volatile operation
Units	Display in kg, g, t, lb, N, Kn, P.S.I. bar - any units (Standard Adhesive Stickers supplied for g, kg,t)
Serial Communication	
Data Port 1	• RS232 two-wire (receive only) • 20mA two-wire serial current loop (receive only) • RS485/422 two-wire (receive only)
Data Port 2 (Optional)	• RS232 Isolated Serial Input/Output • RS485 Isolated Serial Input/Output • Analogue output 0–10V/4–20mA
Power Supply	(STD) Standard: 100–240V AC, 127–370V DC (ACL) AC Low: 13-25V AC (ACM) AC Medium: 26-50V AC (DCH) DC High: 36-72V DC (DCM) DC Medium: 18-36V DC (DCL) DC Low: 9.2-18V DC

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Full Specifications - Page 2 of 2

Housing Enclosure

Enclosure Rating	IP65
Body Size	707mm (L) x 188mm (H) x 95mm (D) (Standard Unit comes with 5 digits)
Disply Window	Hardened Glass, 671mm x 141mm
Weight	3.4kg
Construction	Powder-coated and anodised aluminium extrusion

Product Features

Remote Inputs	3 x user configurable inputs
Status Annunciators	Centre of Zero, Motion and Nett modes (OPTIONAL)
Decimal Point Position	Assigned in Indicator
Approvals	• Complies with S1/0/B for auxiliary devices • C-Tick (N2708) • CE • FCC

Mounting Accessories

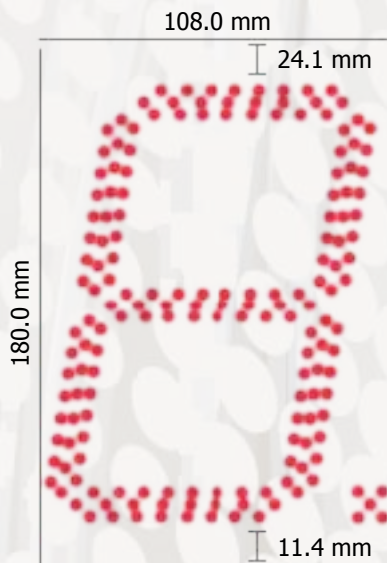|	
Supplied	Wall-mounting Clips supplied
Add-On Options	Weather Hoods, Post & Pole-mounting Plates, Swivel Mounting Kit

5 Digit Display

Gedge Systems
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Gedge Systems

Order Codes & Options

5 Digit Display

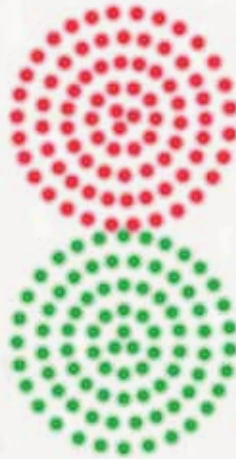| Part Number	Signal input (Select one)
GS120–232	LED large display with RS232 signal input
GS120–485	LED large display with RS485 signal input
GS120–422	LED large display with RS422 signal input
GS120–CL	LED large display with 20mA current loop input
Power input (Select one)	
STD	100–240V AC / 127–370V DC
DCL	9.2–18V DC
DCM	18–36V DC
DCH	36–72V DC
ACL	13–25V AC
ACM	26–50V AC
Inputs/Outputs (Select one if required)	
232	RS232 Isolated Serial Output
485	RS485 Isolated Serial Output
A	Analogue output 0–10V/4–20mA
Display options (Select one)	
R4	Red LED digits x 4
R5	Red LED digits x 5
R6	Red LED digits x 6
Display options	
Z	Red LED annunciators for center of zero, motion flag and nett symbol
T	Red/green LED traffic lights

Sample order code: GS120–232–STD–A–R5T

GS120 with RS232 signal input, STD Power input,
Additional Analog output and Five digits plus
Traffic Light

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LED Large Display Characters

108.0 mm
24.1 mm
180.0 mm
11.4 mm

Red LED digitx 4, x 5 or x 6 connected

Annunciators for center of zero (middle), motion flag (top) and nett (bottom)

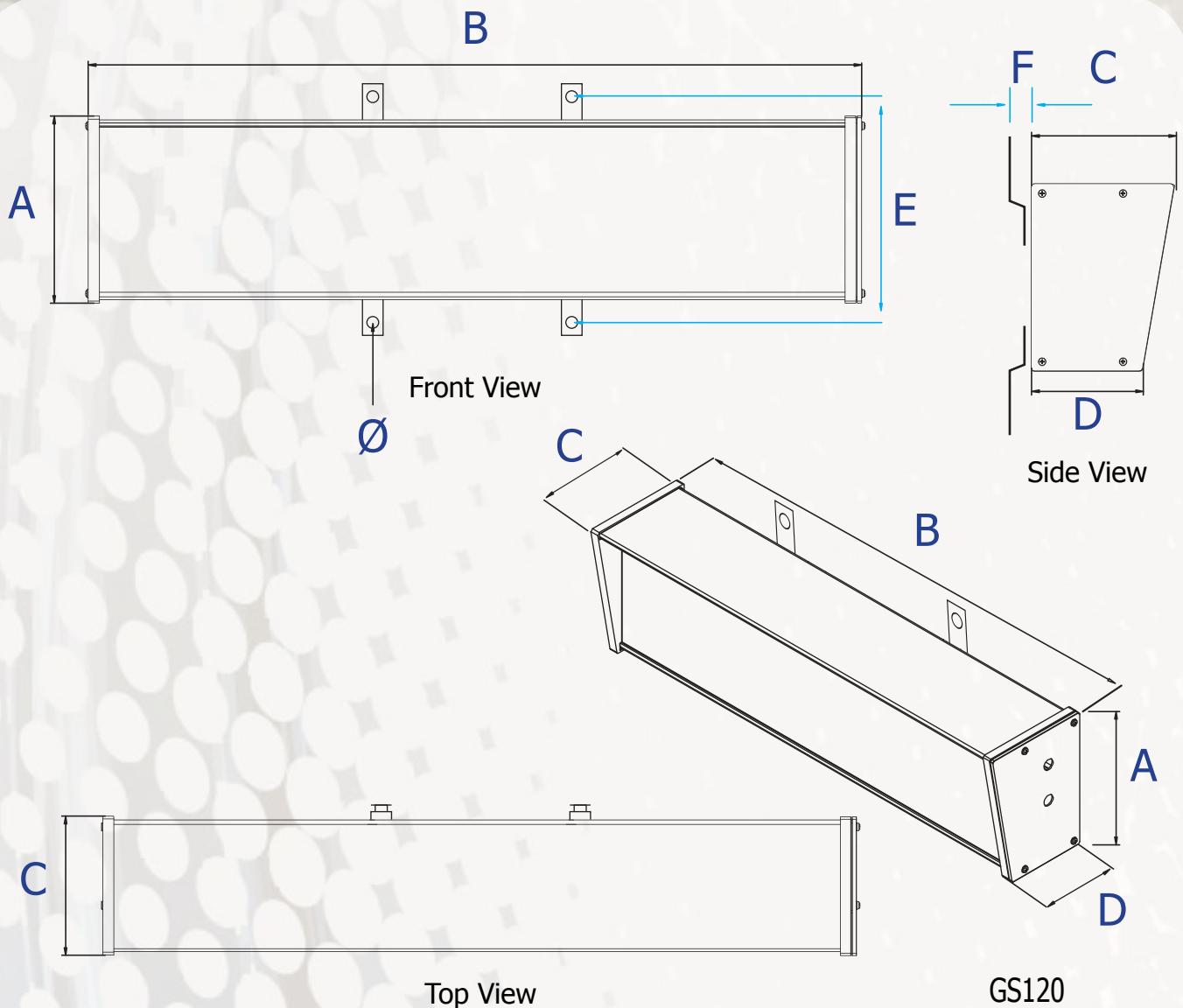LED traffic light Red (top), green (bottom)

GS120 Large Display Add on Options

- 4, 5 or 6 digit annunciators
- Red and green traffic control lights
- Annunciator for centre of zero, motion, and nett
- Mounting kits (wall or pole)
- Weather proof hoods
- RS232 Isolated Serial Input/ Output
- RS485 Isolated Serial Input/ Output
- 4-20mA/0-10V Analog Output

The GS120 Indicator in Action On Weighbridges & Overhead Cranes

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Dimensions GS120 High Intensity LED Large Display

Front View

Side View

Top View

GS120
Drawings

Dimensions Table (mm)					
Dimension	4 Digits	5 Digits	6 Digits	7 Digits	8 Digits
A	203	203	203	203	203
B	606	716	821	929	1037
C	155	155	155	155	155
D	120	120	120	120	120
E	250	250	250	250	250
F	15	15	15	15	15
Ø	10	10	10	10	10

Gedge Factory

High Quality Pick & Place Machines utilize digital illumination & multi-camera advanced vision, for high speed, high precision SMT component placement.

MPM Screen Printer, with advanced vision and data acquisition technologies for consistent, high-quality output to produce superior results.

SMT Line with Pick & Place machines and lead-free approved reflow oven – keeping up with the latest technology and specially designed to provide testing and stability.

Rigorous quality testing procedures ensure all of our products are of the highest quality standard with the best in cutting edge innovation and to help achieve and bring to you, the best quality equipment on the market.

Gedge Systems

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 obtain 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.

GS120 Intelligent Indicator

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 up front.

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

For any questions about Industrial Weighing Solutions, talk to us. We listen.

Find out fast how our sales team and project engineers provide you with the best Weighing Solutions for your needs. Call us now or send an email.

Your solution lies with us. Act now!

Other Gedge's Products

GS100P Indicator

GS100R Indicator

GS Hercules Load Cell

Titan Load Cell

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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Dealer's Information:

For more details: You can use your your smartphone to scan this QR code.