AUSTRALIAN WEIGHING EQUIPMENT

Way ahead in Weighing

PRODUCT GUIDE

GS600 INTELLIGENT INDICATOR

■ TOPS FEATURES

Meets Stringent **NMI R 76-1** Non-Automatic Weighing Instruments Standard.

FULLY COMPLIANT ✓

Meets the latest Australian & European EMI/RFI immunity and emission standards.

- **Withstands the Heat - The GS600 RUNS COOL -** Other miniature weight indicators have high component densities and this makes them prone to overheating. The GS600 Runs Cool, due to our generous layout designed to enhance heat dissipation.

- **Sensibly Sized Front Panel & Keyboard -** The 10mm keys can easily be operated while wearing gloves and the large six digit 25mm LCD Digits are clearly readable from a distance, even in low light conditions. Keyboard Tares.

- **Stainless Steel / Anodised Aluminium IP65 Enclosure** - For the ultimate in harsh environment protection, when panel mounted.

- **24 bit Divisions Display Resolution** Has 16,777,216 internal counts resolution and can be set up in weight increments of 1, 2, 5, 10, 20, 50, 100 or 500.

- **Linearity Correction** - allows any installation to be Accurately Linearized by using one easily Set Linearity adjustment setting.

- **Drives up to 8 Load Cells**

- **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 and able to be Supplied & Installed for a Fair Total Cost.

- **National Measurement Institute Australia Approved** - to 6,000 divisions, per range / interval. NMI Certificate S621.

- **Full Range of Options** - Options including Time and Date, Simultaneous Analog & Serial Outputs and Optically Isolated Serial Options.

- **Swap Option Card in the Field** - Output cards can be swapped if needed. This reduces downtime in the unlikely event of surges or lightning.

- **100% Tested** - Every GS600 is 100% tested in our temperature chamber between - 10°C and +40°C to assure you of its accuracy and stability.

GS600 Intelligent Indicator

■ FEATURES

Front Panel
- SIX digit 20mm high 6 LCD display to 999999
- Positive action tactile feedback keyboard behind tough water-resistant membrane

Linearity Adjustment

Can be setup to apply one linearity correction anywhere within the weighing capacity. The linearity adjustment, which, for the ultimate in accuracy is entered in quarter division increments, can correct for up to 31 display divisions of nonlinearity. The correction, which is automatically proportioned, need not be symmetrical around the point of maximum error.

Load Cell/s Input

-1mV to 45mV calibrated 400 to 6,000 display divisions at 0.8µV/divisions. Displays -4% to +104% FS range. Excitation 10VDC Short Circuit Protected drives up to EIGHT 350ohm Load Cells in parallel to 230mA max. True differential remote sensing using a separate pair of wires. Source Impedance 2kohm maximum. Input Impedance 10Mohm minimum.

Assured Quality

Our experience, design and in-house production control ensures each Indicator is shipped with a signed and numbered quality certificate.

Front End Accuracy / Stability
- Linearity ±0.01%FS
- Span ±Typical 3ppm/ ºC
- Zero, for dead load input from -20mV to+20mV
- Noise 0.1µV p-p RTI maximum

Physical / Environmental

All metal enamel finished panel mounting enclosure with panel mounting slides.
- Front W:198mm H:96mm; Body W:184mm x H:90mm x D:122mm
- Panel cut out W:186mm x H:92mm. Panel rear projection 180mm (allow extra 58mm for connectors)
- Weight 2kg; Shipping weight 3kg
- Environment -10C to +40C Operating; -15C to +70C Storage; to 95%RH non condensing
- Power 85VAC to 265VAC (specify on order) 49 to 62H 30VA
- Rear Panel includes Power receptacle, Fuse fuse holder, 9 pin D load cell connector plus cutouts for three Output Options Connectors, 13 pin phoenix connector 5.08mm separator, 9 pin D Connector for RS232 (Com 1), Cut out for Output Options

World Class Standards
- Approved by National Measurement Institute Australia for use up to 6000 divisions per range / interval Certificate S621
- Conforms to the requirements of the Australian electromagnetic compatibility Framework C-Tick Regulations
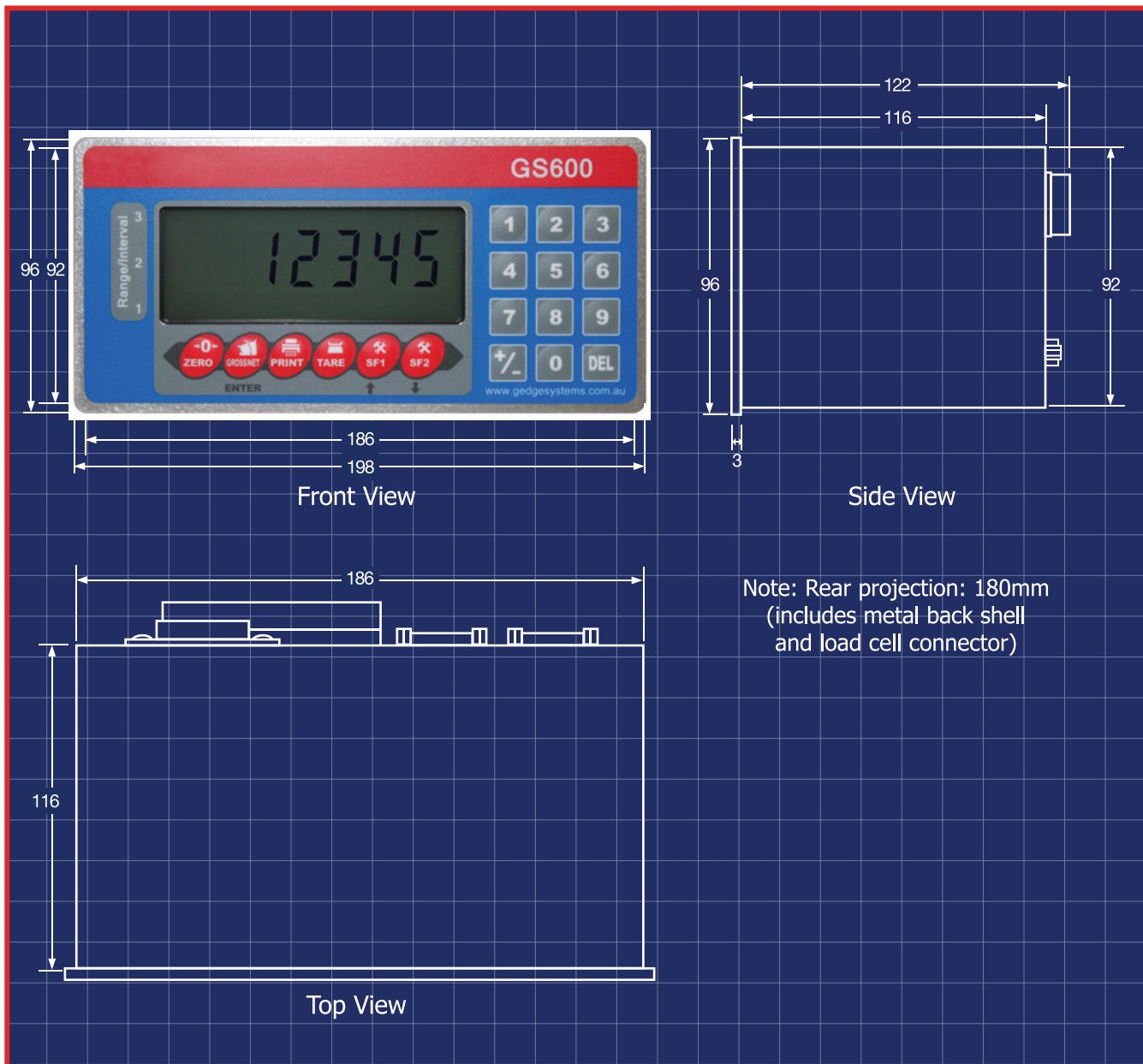- Conforms to European Electromagnetic Emissions & Immunity Directive

GS600 Intelligent Indicator

■ SPECIFICATIONS

Loadcell signal input	4-wire or 6-wire strain gauge, 0-4.5mV/V (+/- 45mv trade, +/- 100mv non-trade)
Power Supply	85-265V AC 50/60Hz or 10-60V DC
Display	1 x 6 digit (20mm), 7 segment numeric LCD. IP65 dust/splash proof when panel mounted. 18 buttons, 4 set-point indicator LED's + 1 NET/GROSS indication. Range/interval indicator, 60mm x 10mm LCD alphanumeric matrix.
Panel Mount Case	H:96mm x W:198mm x D:180mm.
Relay Outputs	1 standard, 4 optional programmable 5A form A relays (3A 240V AC max or 3A 30V DC max). Includes hysteresis, make delay and enabling of LCD annunciators for alarms and relay status indication.
Analogue Output	1 x isolated 16-bit 4-20mA and 0-10V output (Output programmable over any range within the full scale range of the controller)
Serial Port	3 x Isolated RS232 or RS485 serial output (Modes: ASCII, Modbus/RTU slave, Gedge C1-5. Data rates: 1200-115200 baud. Parity: Odd/even/none, all serial ports programmable)
Remote Inputs	5 x Programmable inputs (zero, units, tare, peak, peak reset, valley, valley reset, plus more)
Optional Outputs	Ethernet (tcp/ip, Modbus RCU) Profibus Devicenet USB
Excitation Voltage	10V DC supplied by controller (powers up to 8 x 350Ω load cells TRADE)
Sampling Rate	Up to 50Hz Selectable
Resolution	24-bit (16,777,216 internal counts)
Accuracy	0.005% of reading
Temperature Drift	Typically 3ppm/°C
Enclosure	NMI Australia OIML CE UL
Display Resolution	Selectable (1,2,5,10,20,50,100)
Operating Applications	General weighing Batching (GS600B) Counting Check weighing Peak and valley Measurement Remote/Summing Display

■ DIMENSIONS

Front View

Side View

Note: Rear projection: 180mm
(includes metal back shell
and load cell connector)

Top View

AWE - THE BEST IN THE BUSINESS

AWE has built a reputation in providing world class products and services to customers from a wide range of industries for many unique applications. All the products come with AWE Quality Guarantee- giving you the assurance that they have been tested to meet or exceed the specifications and requirements of your application. At AWE, it's more than just delivering perfectly-designed equipment, it also requires a team of dedicated people who will back you up with great service and support. Any servicing, installation and technical support issues you encounter can be addressed either onsite or remotely by our engineers and tradesmen who carry qualifications as:

- Licensed Tradesmen
- Mechanical Engineers
- Electrical Engineers
- Structural Engineers
- Draftsmen
- Fitter & Turners
- Boilermakers
- Fully Qualified Scale Makers
- Electronic Technicians
- Instrument Fitters
- Electricians
- Service Technicians
- Project Managers
- Formworkers
- Concreters

Call AWE today.

If you have questions about
- **weighing equipment**
- **packaging equipment**
- **bulk materials handling**
- **componentry**

call the sales team at *AWE Group* to find the right solution for your individual needs.
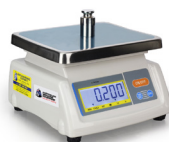
AWE PRODUCT RANGE

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. For nearly 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 which has

- 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.

■ LOCATIONS OF AUSTRALIAN WEIGHING EQUIPMENT

Australian Weighing
Equipment - Sydney Office

8 Heald Road
Ingleburn NSW 2565

Australian Weighing
Equipment - Melbourne Office

37 Barrie Road
Tullamarine, VIC, 3043

Australian Weighing
Equipment - Brisbane Office

7 Darnick Street
Underwood, QLD1 4119

■ AUSTRALIAN WEIGHING EQUIPMENT ON SOCIAL MEDIA

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www.awe.com.au

Dealer's Information:

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