



**AUSTRALIAN  
WEIGHING  
EQUIPMENT**  
*Way ahead in Weighing*

PRODUCT GUIDE

# GS2101S BENDING BEAM LOAD CELL

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## **GS2101S Bending Beam Load Cell**

### **■ KEY FEATURES**

- Hermetically Sealed IP68 Rating
- Laser Welded seal construction.
- High Grade 17-4PH Stainless Steel.
- High Accuracy 0.02% Combined Error.
- Matched outputs make corner adjustments unnecessary in most applications.
- International size & mountings.
- Wide range of “purpose designed”
- Stainless Steel fittings and mounts.
- Large Capacity Range - 10kg to 1000kg.
- Load Cells 100% tested to guarantee load & thermal specifications met or exceeded.

### **■ APPLICATIONS**

- All Floor Scales - especially Washdown and Marine Environments.
- Batch weighing in Hostile Environments.
- Hopper Filling and level control.
- Food and Chemical Industry.
- Bagging and Filling Machines.
- Inventory Control - by weight.
- Shipping Scales.
- Non-Trade Scale Conversions.

### **■ SPECIFICATIONS**

|                           |                |                                    |                         |
|---------------------------|----------------|------------------------------------|-------------------------|
| Capacity                  | 10kg - 1000kg  | Environmental Protection Rating    | IP68                    |
| Safe Service Load         | 100% Capacity  | Material                           | Stainless Steel         |
| Safe Overload             | 150% Capacity  | Material Grade Load Cell part      | 17-4PH                  |
| Ultimate Load             | 300% Capacity  | Material Grade Protective Bellows. | 316                     |
| Safe Side Load            | 100% Capacity  | Construction                       | Laser Welded Seal       |
| Full Load Output          | 2mV/V 0.10%    | Input Resistance                   | 400 10                  |
| Combined Error            | <0.02% FS      | Output Resistance                  | 352 2                   |
| Non Repeatability         | <0.01% FS      | Insulation Resistance              | >3,000M                 |
| Creep/Zero Return (30min) | <0.02% FS      | Excitation (Recommended)           | 10VDC to 12VDC          |
| Zero Balance              | <2% FS         | Excitation (Maximum)               | 15VDC                   |
| Span temperature effect   | <15ppm/C       | Cable type                         | 5mm OD 4 core screened. |
| Zero temperature effect   | <26ppm/C       | Cable length                       | 3 metres.               |
| Compensated Range         | -10 C to +40 C |                                    |                         |
| Operating Range           | -18 C to +65 C |                                    |                         |



■ **DESCRIPTION AND ORDERING**

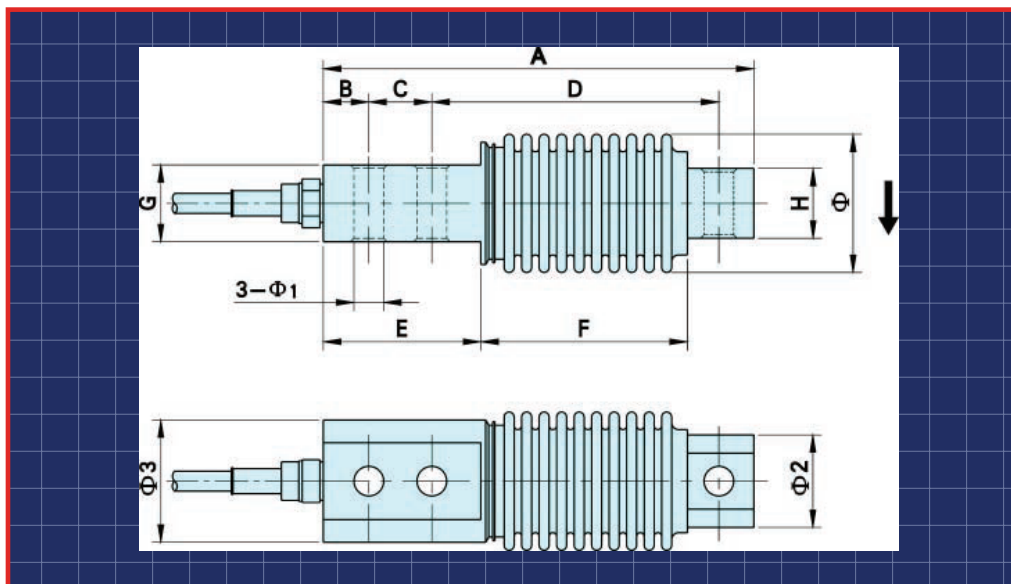
The Gedge Systems/Mechtronix GK2101S Stainless Steel IP68 Bending Beam load cells have been designed from the ground up to offer class leading long term performance in harsh environments. It is part of a very large range of high quality load cells manufactured by joint venture partners Gedge Systems and Mechtronix. The GK2101S Bending Beam is ruggedly built of the best stainless steel used for load cell construction. - type 17-4PH. It has generously sized attachment through holes to allow the use of strong xing bolts and ruggedly built attachments and mounts. Its International "standard" dimensions and mountings enable the easy replacement of other brands with the GK2101S.

The GK2101S welded seal construction assures users of its IP68 environment protection rating and provides a safe environment for the long term protection of its internal construction. The GK2101S is a load cell for weighing now and in the future.

- GK2101S010 10kg Stainless IP68 Bending Beam
- GK2101S20 20kg Stainless IP68 Bending Beam
- GK2101S30 30kg Stainless IP68 Bending Beam
- GK2101S50 50kg Stainless IP68 Bending Beam
- GK2101S100 100kg Stainless IP68 Bending Beam
- GK2101S200 200kg Stainless IP68 Bending Beam
- GK2101S300 300kg Stainless IP68 Bending Beam
- GK2101S500 500kg Stainless IP68 Bending Beam
- GK2101S1000 1000kg Stainless IP68 Bending Beam

■ **ACCESSORIES**

A wide range of accessories is available for all our range of load cells. They make using the GK2101S in your application easier and more cost effective while meeting your requirements for strength and durability. Refer to the GK2101S shear beam load cell accessories brochure for full details.



| Capacity<br>Kg         | Size: mm |    |    |     |    |    |    |    |    |     |    |    |
|------------------------|----------|----|----|-----|----|----|----|----|----|-----|----|----|
|                        | A        | B  | C  | D   | E  | F  | G  | H  | Φ  | Φ1  | Φ2 | 3Φ |
| 10,20,30<br>50,100,200 | 123      | 13 | 18 | 82  | 46 | 58 | 22 | 20 | 41 | 8.5 | 26 | 35 |
| 300,500<br>1000        | 210      | 15 | 40 | 133 | 91 | 66 | 34 | 25 | 56 | 13  | 36 | 50 |



■ **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.

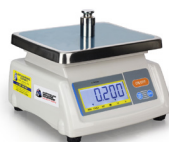
■ **AWE PRODUCT RANGE**



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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/company/awegrouppaustralia



www.youtube.com/AustWeighing



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