



GS-KMT Load Cells



# GS-KMT Model GK2101S Stainless Steel 5kg to 500kg Welded Sealed IP68 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 un-necessary in most applications.
- International size & mountings.
- Wide range of "purpose designed" Stainless Steel feet, fittings and mounts.
- Large Capacity Range - 5kg to 500kg.
- 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 . . . . .	5kg - 500kg
Safe Service Load . . . . .	100% Capacity
Safe Overload . . . . .	150% Capacity
Ultimate Load . . . . .	300% Capacity
Safe Side Load . . . . .	100% Capacity
Full Load Output . . . . .	2mV/V $\pm$ 0.10%
Combined Error . . . . .	<0.02% FS
Non Repeatability . . . . .	<0.01% FS
Creep/Zero Return (30min) . . . . .	<0.02% FS
Zero Balance . . . . .	<2% FS
Span temperature effect . . . . .	<15ppm/°C
Zero temperature effect . . . . .	<26ppm/°C
Compensated Range . . . . .	-10°C to +40°C
Operating Range . . . . .	-18°C to +65°C

Environmental Protection Rating . . . . .	IP68
Material . . . . .	Stainless Steel
Material Grade Load Cell part. . . . .	17-4PH
Material Grade Protective Bellows. . . . .	316
Construction . . . . .	Laser Welded Seal
Input Resistance . . . . .	400 $\Omega$ $\pm$ 10 $\Omega$
Output Resistance . . . . .	352 $\Omega$ $\pm$ 2 $\Omega$
Insulation Resistance . . . . .	>3,000M $\Omega$
Excitation (Recommended) . . . . .	10VDC to 12VDC
Excitation (Maximum) . . . . .	15VDC
Cable type ...	5mm OD 6 core screened.
Cable length	3 metres.

# Description & Ordering GK2101S

**Description:-** The Gedge Systems-KMT Mechtronix GK2101S Stainless Steel IP68 Bending Beam Load Cell has 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 brought to Australia & New Zealand by Joint Venture Partners Gedge Systems & KMT Mechtronix.

The GK2101S Bending Beam is ruggedly built of the finest Stainless Steel used for Load Cell Construction - type 17-4PH. It has generously sized attachment through holes to allow the use of strong fixing 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, a Load Cell for Weighing now & in the Future.

**Ordering:-**

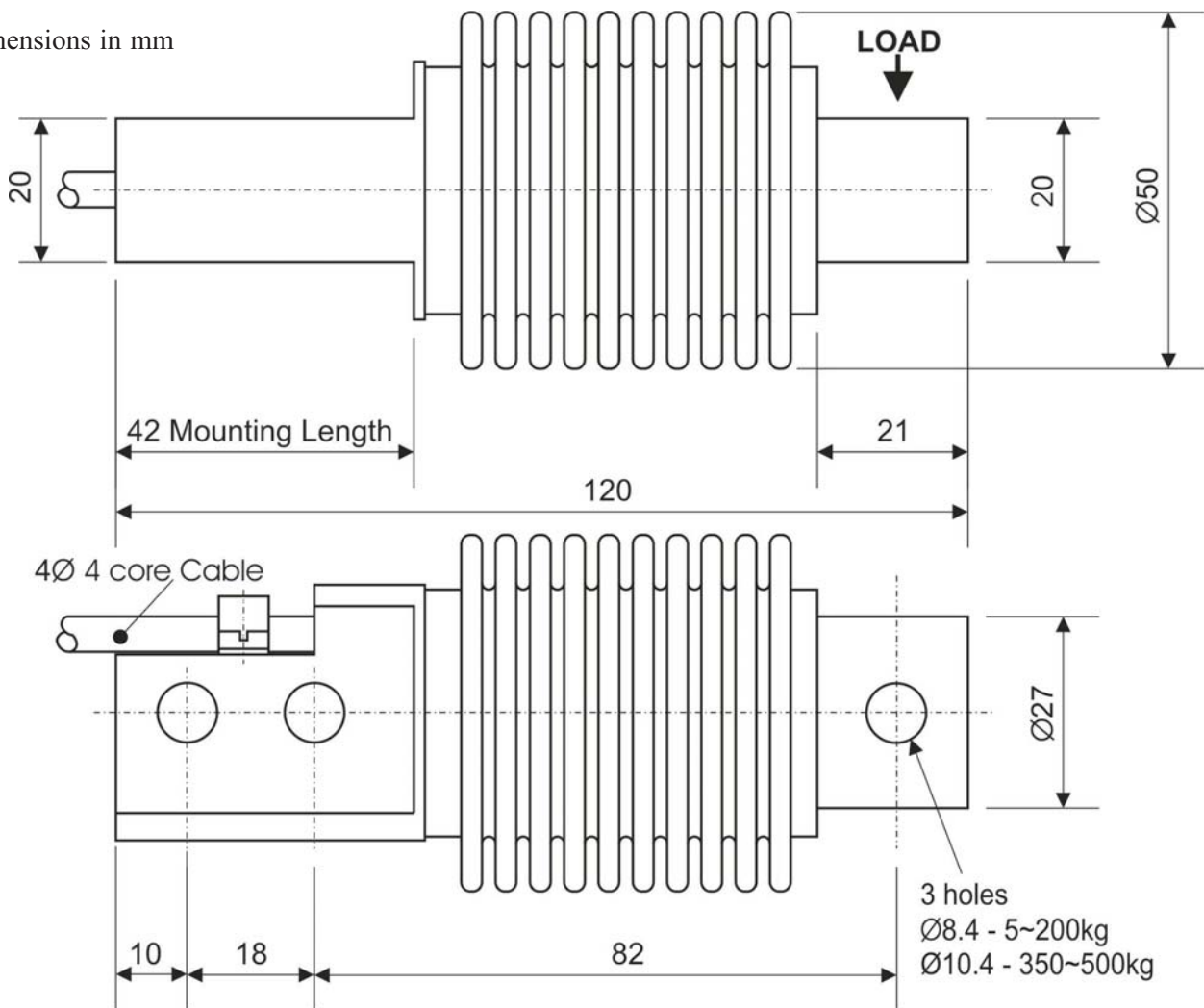
- GK2101S005 5kg Stainless IP68 Bending Beam**
- GK2101S010 10kg Stainless IP68 Bending Beam**
- GK2101S020 20kg Stainless IP68 Bending Beam**
- GK2101S030 30kg Stainless IP68 Bending Beam**
- GK2101S050 50kg Stainless IP68 Bending Beam**
- GK2101S100 100kg Stainless IP68 Bending Beam**
- GK2101S200 200kg Stainless IP68 Bending Beam**
- GK2101S350 350kg Stainless IP68 Bending Beam**
- GK2101S500 500kg Stainless IP68 Bending Beam**

**Accessories.** A wide range of accessories is available for all GS-KMT Load Cells. They make using the GK2107S in your application easier and more cost effective while at the same time meeting your requirements for strength and durability. Refer to the GS-KMT Shear Beam Load Cell Accessories Brochure for full details.

**GEDGE SYSTEMS - Since 1978 Australia's Leading Manufacturer of High Accuracy Weighing Electronics now bringing you Superior Quality GS-KMT Load Cells**

## Dimensions GK2101S

Dimensions in mm



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