



GS-KMT Load Cells



# GS-KMT Economy Model GK2107G IP67 25kg to 5,000kg Shearbeam Load Cell



## KEY FEATURES

- Economic IP67 version of the IP68 Laser Welded Sealed GK2107/S models.
- High Grade Tool Steel Electroless Nickel Plated.
- Matched outputs make corner adjustments un-necessary in most applications.
- Load Cells 100% tested to guarantee load & thermal specifications met or exceeded.
- Integral mounting step reduces need for spacer plate & improves mounting.
- High Accuracy 0.02% Combined Error
- Wide range of "purpose designed" feet, fittings and mounts.
- Wide Range - 25kg to 5,000kg.
- M12/16/18 Mounting threads allow use of Rugged Feet and Fittings.
- Large Diameter Mounting Holes allow the use of Strong hold down bolts.

## APPLICATIONS

- Industrial Floor Scales.
- Batch weighing.
- Hopper filling and level control.
- Food and Chemical Industry.
- Bagging and Filling Machines.
- Inventory Control - by weight.
- Shipping Scales.
- Overhead Cattle Scales.
- Agricultural Applications.
- Silo Weighing.

## Specifications

Capacity . . . . .	25kg - 5,000kg	Environmental Protection Rating . . . . .	IP67 Bonded Seal
Safe Service Load . . . . .	100% Capacity	Material . . . . .	Tool Steel
Safe Overload*. . . . .	150% Capacity	Plated Finish . . . . .	Electroless Nickel
Ultimate Load*. . . . .	300% Capacity	Input Resistance . . . . .	385Ω ± 5Ω
Safe Side Load . . . . .	100% Capacity	Output Resistance . . . . .	385Ω ± 3Ω
Full Load Output . . . . .	2mV/V ± 0.10%	Insulation Resistance . . . . .	>3,000MΩ
Combined Error . . . . .	<0.02% FS	Excitation (Recommended) . . . . .	5VDC to 12VDC
Non Repeatability . . . . .	<0.01% FS	Excitation (Maximum) . . . . .	15VDC
Creep/Zero Return (30min) . . . . .	<0.02% FS	Cable type ...	5mm OD 4 core screened.
Zero Balance. . . . .	<2% FS	Cable length	4m
Span temperature effect. . . . .	<30ppm/°C	Cable Entry....	Gland Seal.
Zero temperature effect . . . . .	<20ppm/°C		
Compensated Range . . . . .	-10°C to +40°C		
Operating Range . . . . .	-18°C to +65°C		

# Description & Ordering GK2107G

**Description:-** The Gedge Systems-KMT Mechtronix GK2107G Shear Beam Load Cell has been designed from the ground up to offer class leading long term performance in the majority of Industrial situations.

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 GK2107G Shear Beam is ruggedly built of the finest Tool Steel and protected by an Electroless Nickel Plated Finish. It has generously sized attachment threads and through holes to allow the use of strong fixing bolts and ruggedly built attachments and mounts

The GK2107G is a "same size/same specification" economy IP67 version of the Laser Welded IP68 Tool Steel GK2107 and the Stainless Steel GK2107S Shear Beam models. It is built with the same care and attention to detail.

This is a Load Cell for Weighing now and into the Future.

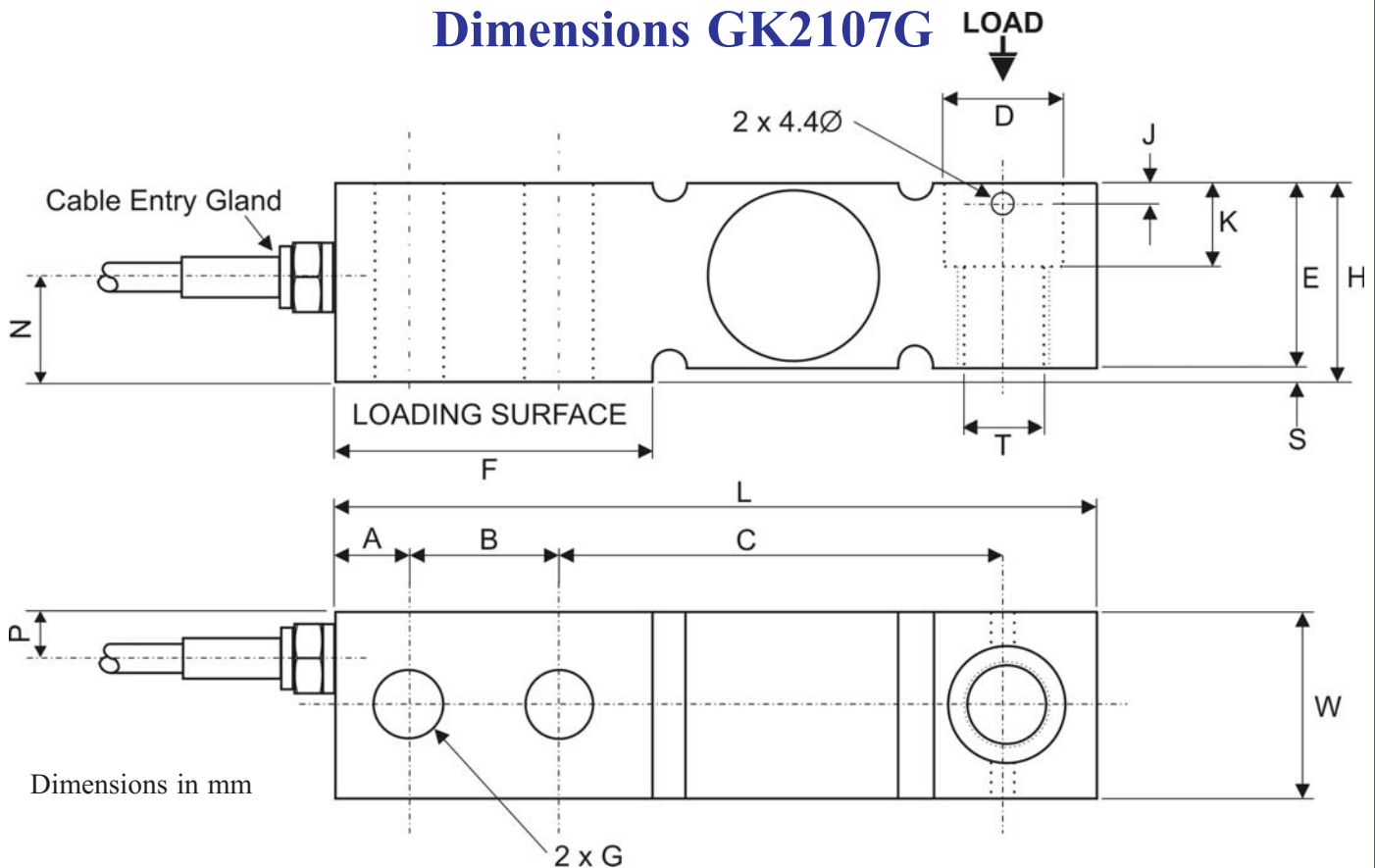
**Ordering:-**

- GK2107G0.2 25kg Shear Beam Load Cell**
- GK2107G0.5 50kg Shear Beam Load Cell**
- GK2107G1.0 100kg Shear Beam Load Cell**
- GK2107G2.5 250kg Shear Beam Load Cell**
- GK2107G-05 500kg Shear Beam Load Cell**
- GK2107G-10 1,000kg Shear Beam Load Cell**
- GK2107G-20 2,000kg Shear Beam Load Cell**
- GK2107G-30 3,000kg Shear Beam Load Cell**
- GK2107G-50 5,000kg Shear Beam Load Cell**

**Accessories.** A wide range of accessories is available for all GS-KMT Load Cells. They make using the GK2107G 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 GK2107G



CAP	A	B	C	D	E	F	G	H	J	K	L	N	P	S	T	W
25-250kg	12.7	25.4	76.2	Ø12.6	31.8	54	Ø12.5	33.8	3.5	12.2	130.0	17	7	2.0	M12x1.75	31.8
500kg-3t	12.7	25.4	76.2	Ø20	31.8	54	Ø12.5	33.8	3.5	14.2	130.0	17	7	2.0	M16x2	31.8
5t	19.1	38.1	95.3	Ø20	38.1	77	Ø21.0	41.0	4.5	16.0	171.5	17	7	2.9	M18x1.5	38.1

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