



GS-KMT Load Cells



# GS-KMT Model GK2107 Welded Sealed IP68 500kg to 5,000kg Shearbeam Load Cell



## KEY FEATURES

- Hermetically Sealed IP68 Rating.
- Laser Welded Seal Construction.
- 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" Stainless Steel feet, fittings and mounts.
- Popular Capacities - 500kg to 5,000kg.
- M16 & 18 Mounting threads allow the use of Rugged Feet and Fittings.
- 12.5mm and 21mm Large 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.

## Specifications

Capacity . . . . .	500kg - 5,000kg	Environmental Protection Rating . . . . .	IP68
Safe Service Load . . . . .	100% Capacity	Material . . . . .	Tool Steel
Safe Overload . . . . .	150% Capacity	Plated Finish . . . . .	Electroless Nickel
Ultimate Load . . . . .	300% Capacity	Construction . . . . .	Laser Welded Seal
Safe Side Load . . . . .	100% Capacity	Input Resistance . . . . .	385Ω ± 5Ω
Full Load Output . . . . .	2mV/V ± 0.10%	Output Resistance . . . . .	385Ω ± 3Ω
Combined Error . . . . .	<0.02% FS	Insulation Resistance . . . . .	>3,000MΩ
Non Repeatability . . . . .	<0.01% FS	Excitation (Recommended) . . . . .	5VDC to 12VDC
Creep/Zero Return (30min) . . . . .	<0.02% FS	Excitation (Maximum) . . . . .	15VDC
Zero Balance . . . . .	<2% FS	Cable type ...	6mm OD 6 core screened.
Span temperature effect . . . . .	<30ppm/°C	Cable length	6 metres.
Zero temperature effect . . . . .	<20ppm/°C	Cable Entry....	Gland & Cable Strain Relief Spring.
Compensated Range . . . . .	-10°C to +40°C		
Operating Range . . . . .	-18°C to +65°C		

# Description & Ordering GK2107

**Description:-** The Gedge Systems-KMT Mechtronix GK2107 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 GK2107 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 GK2107 Laser 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.

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

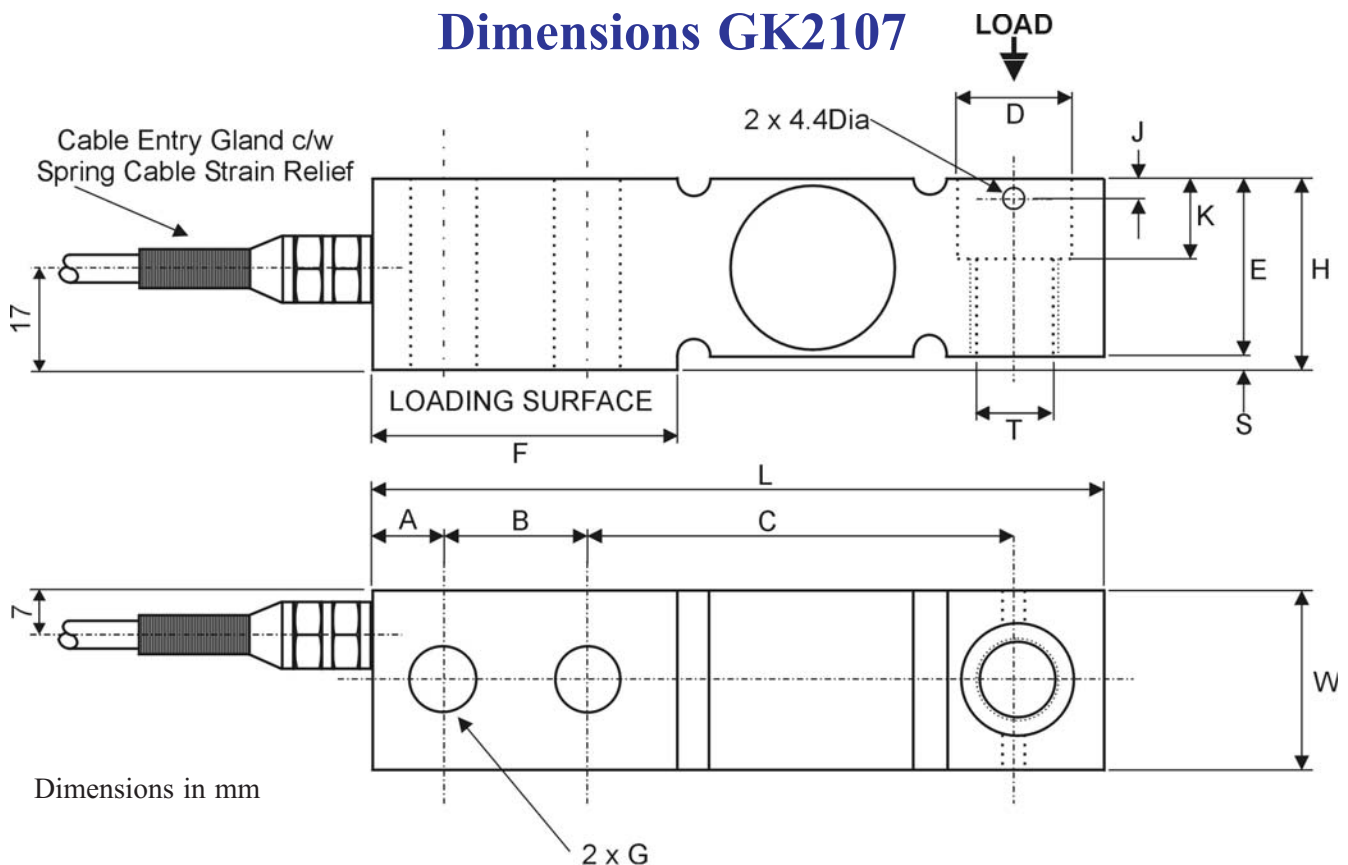
**Ordering:-**

- GK2107-05** 500kg IP68 Shear Beam Load Cell
- GK2107-10** 1,000kg IP68 Shear Beam Load Cell
- GK2107-20** 2,000kg IP68 Shear Beam Load Cell
- GK2107-30** 3,000kg IP68 Shear Beam Load Cell
- GK2107-50** 5,000kg IP68 Shear Beam Load Cell

**Accessories.** A wide range of accessories is available for all GS-KMT Load Cells. They make using the GK2107 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 GK2107



Cap kg	A	B	C	D	E	F	G	H	J	K	L	S	T	W
500-3,000	12.7	25.4	76.2	Ø20	31.8	54	Ø12.5	33.8	3.5	14.2	130.0	2.0	M16x2	31.8
5,000	19.1	38.1	95.3	Ø20	38.1	77	Ø21.0	41.0	4.5	16.0	171.5	2.9	M18x1.5	38.1

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