

Series T62

Stainless steel load cell for the harshest environments

capacities 500 kg to 10,000 kg



stainless steel load sensor

high integrity cable entry

fully welded construction, sealed to IP68

pressure & immersion tested for watertight seals

simple low cost installation

CENELEC/BASEEFA Approval to EEx ia IIC T6

5 year warranty

optional stainless steel loading assembly

This fully welded stainless steel load cell is hermetically sealed to IP68 and can be used in the harshest environments. It is suitable for weighing platforms, bag fillers, belt weighers and tank weighing in the Food Processing, Chemical, Pharmaceutical and general Bulk Handling Industries.

The T62 load cell features a high integrity cable entry which provides a more effective long term moisture seal than traditional cable glands.



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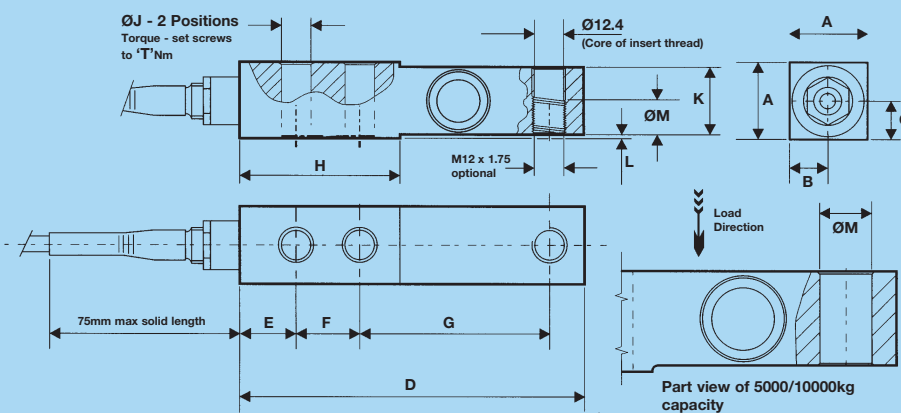
...your specialist load cell partner

technical specification sheet

Series T62

	Load Cell Capacity			Units
	500, 1000, 2000	5000	10000	kg
Load ranges	500, 1000, 2000	5000	10000	kg
Rated Output	2	2	2	mV/V $\pm 0.25\%$
Combined Error	$< \pm 0.03$	$< \pm 0.035$	$< \pm 0.05$	%*
Non-repeatability	$< \pm 0.015$	$< \pm 0.015$	$< \pm 0.015$	%*
Creep (30 minutes)	$< \pm 0.03$	$< \pm 0.03$	$< \pm 0.03$	%*
Temperature Effect on Zero Balance	$< \pm 0.0025$	$< \pm 0.0025$	$< \pm 0.0025$	%*/ $^{\circ}\text{C}$
Temperature Effect on Span	$< \pm 0.005$	$< \pm 0.005$	$< \pm 0.005$	%*/ $^{\circ}\text{C}$
Compensated Temperature Range	-10 to +40	-10 to +40	-10 to +40	$^{\circ}\text{C}$
Operating Temperature Range	-40 to +80	-40 to +80	-40 to +80	$^{\circ}\text{C}$
Safe Overload	150	150	150	%*
Ultimate Overload	300	300	300	%*
Zero Balance	$< \pm 1$	$< \pm 1$	$< \pm 1$	%*
Input Resistance	380	380	380	$\Omega \pm 30$
Output Resistance	350	350	350	$\Omega \pm 1.5$
Insulation Resistance	>5000	>5000	>5000	M Ω @ 100V DC
Recommended Supply Voltage	10	10	10	V
Maximum Supply Voltage	15	15	15	V
Cable Length	4	10	10	m
Protection Class	IP 68	IP 68	IP 68	-

*With respect to rated output



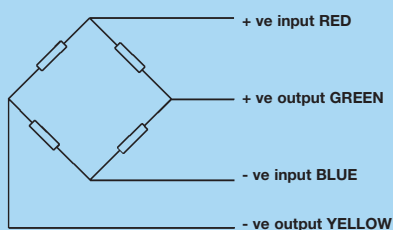
Capacity (kg)	A	B	C	D	E	F	G	H	J	K	L	M \emptyset	TNm
500,1000,2000	32	16	16	137	23	25.4	76.2	64	13	29	1.5	12.4	50
5000	41	18.5	20.5	180	28	38.1	95.2	84	20.5	38	3	20.5	160
10000	55	46.6	27.5	225	25	51	124	100	26	51	4	26	330

All dimensions in mm

Electrical Connections

Via 4 core, 4mm diameter, screened polyurethane (BLUE) cable.

Screen not connected electrically to load cell.



Shipping Weights: (kg)

500 - 2000 = 1.1kg, 5000 = 2.1kg
10000 = 4.7kg

Construction

Load cell manufactured from high strength stainless steel, electro-polished and fully welded and sealed to IP68.

Options

CENELEC approved cells (T62B).

M16 conduit adaptor for connecting additional cable protection.

Loading assemblies with tilting and jacking load pads 'Cellmaster' (LA62).

Alloy steel version available (T63).

Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.

Distributed by

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Approval No. 925394