

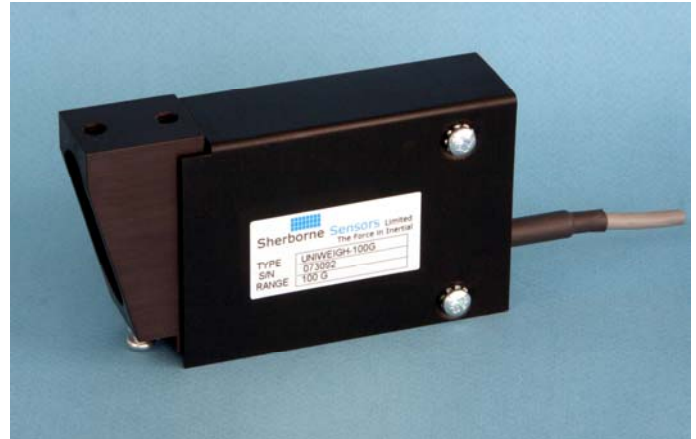
“Uniweigh” Series

Weighing Scale Load Cell

Description

The “UNIWEIGH” series load cell has been specifically developed for use electronic scales where the load may be placed at any random position on a loading platform.

Typical applications are in retail shop scales, industrial counting scales, pre-packing scales, batch weighing machines, money checkers, pharmaceuticals, medical and scientific instrumentation. Compression loads from the loading platform are applied directly enabling much simpler constructions without the requirement for levers, flexures or pivots; scale design and maintenance is therefore greatly simplified. The “UNIWEIGH” series load cell is particularly immune to eccentric loading, the load being commonly applied via a simple X or H frame whose loading points are at the corners of the load platform. The “UNIWEIGH” series load cells are available in two distinct sensitivities offering the customer considerably lower ranges of this device than were hitherto possible. The “UNIWEIGH” series cover full scale load ranges from as low as 100 grams to 50 kilograms.



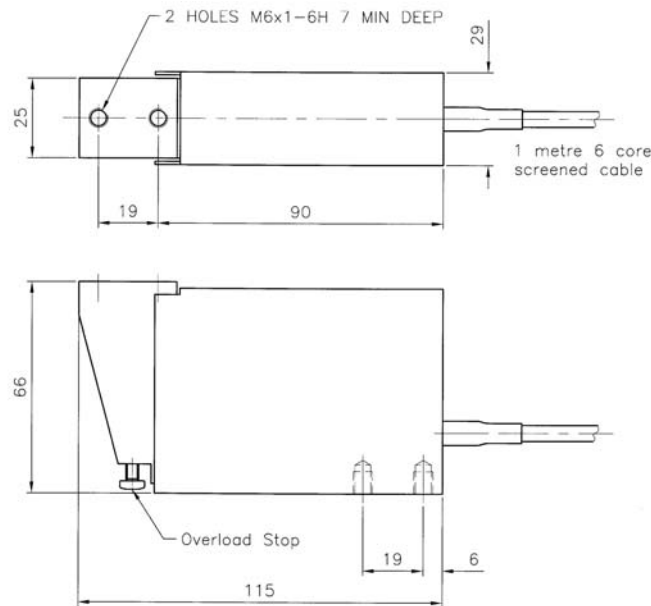
Technical Specifications

Standard Ranges	kgf	0.1, 0.2, 0.5	2, 5, 7, 10, 15, 30, 50
Excitation Voltage	VDC	10/12 maximum	10/15 maximum
Full Scale Output (FSO)	mV/V	20 nominal	2 ± 10%
Accuracy	%FSO	< ± 0.05	< ± 0.03
Zero Return	%FSO	< ± 0.05	< ± 0.02
Zero Balance	%FSO	5	5
Operating Temperature Range	°C	-20 to +80	-30 to +70
Compensated Temperature Range	°C	-0 to +60	310 to +50
Thermal Zero Shift	%FSO/ °C	< ± 0.01	< ± 0.003
Input Resistance	ohms	700 nominal	415 ± 15
Output Resistance	ohms	350 nominal	350 ± 3
Overload Capacity	%FSO	150	150
Deflection at Rated Capacity	mm	<0.5	<0.5
Recommended Platform Size	mm	300 x 300	350 x 350
Environmental Protection Level		IP51	IP51
Weight	gms	400	400
Documentation		Individual Calibration Certificate supplied	
(1kN = 224.81lbf = 101.97 kgf)			

“Uniweigh” Series

Weighing Scale Load Cell

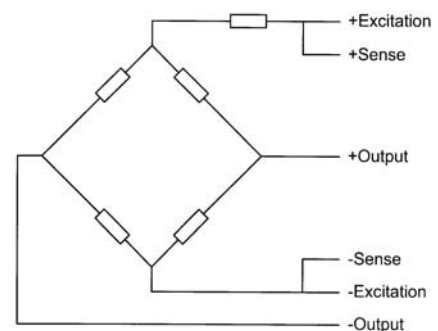
Outline Dimensions



Notes

1. Cable screen not connected to load cell body.
2. The sense wires are provided for precision measurements (not fitted on ranges below 2g)

Wiring Diagram



Ordering Information

Order by specifying type number and load range in Kgf
e.g. “Uniweigh – 5kgf”