

H310

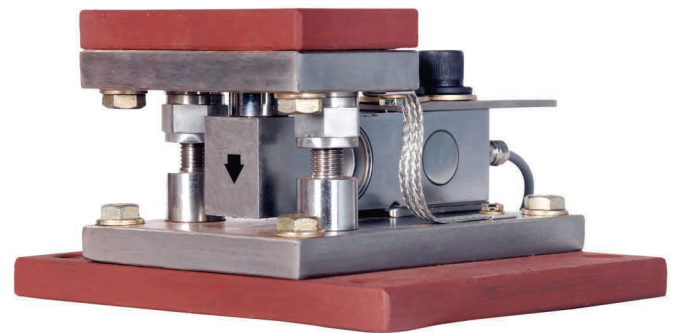


WEIGHTRONICS

H310

Shear beam Load Cells for industrial weighing

Capacities 300 kg to 5000 kg



Stainless steel construction

Fully welded and hermetically sealed to IP 68

Certified for 3000 divisions as per OIML R60

Specially designed for harsh environment

Low profile, compact loader assembly

Allow vessel expansion & contraction

Integral lift off prevention

Inbuilt facility easy load cell replacement

This load cell is used in low profile platforms, tank and Silo weighing, harsh environment weighing, filling machines and conveyors

Available with intrinsically safe certification ATEX EEx ia IIC T6

WEIGHTRONICS

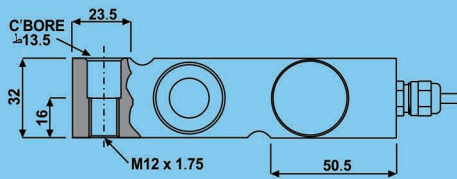
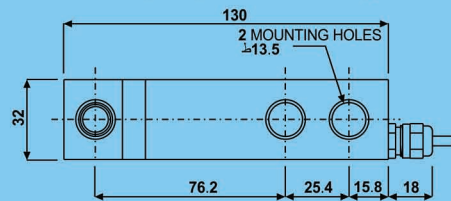


H-310 Technical specifications

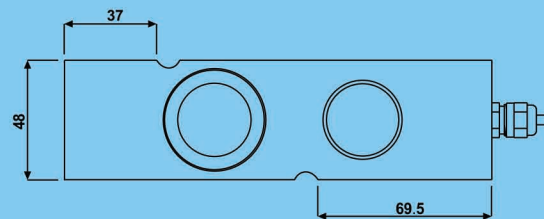
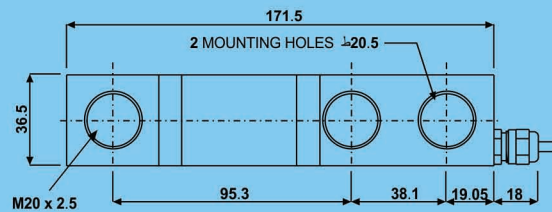
Parameter	Value	Unit
Rated capacity	300,500,1000, 2000,3000,5000	kg
Rated output - R.O.	$2 \pm 0.1\%$	mV/V
Zero balance	2	$\pm\%$ of rated output
Zero return (30 min)	0.017	$\pm\%$ of applied load
Total error	0.020	$\pm\%$ of rated output
Temperature effect on zero	0.0023	$\pm\%$ of rated output/ °C
Temperature effect on span	0.0010	$\pm\%$ of applied load/ °C
Compensated Temperature range	-10 to +40	°C
Operating Temperature range	-20 to +70	°C
Safe overload	150	% of R.C.
Ultimate overload	300	% of R.C.
Excitation, recommended	10	VDC or VAC
Excitation, maximum	15	VDC or VAC
Input impedance	380 ± 10	Ω
Output impedance	350 ± 3	Ω
Insulation resistance	>2000	M Ω
Cable length	5	mtr
Cable Type	6 wire, braided, polyurethane, dual floating screen	Standard
Construction	Stainless steel	
Environmental protection	IP68	

OUTLINE DIMENSIONS in millimeters

DIMENSIONS FOR CAPACITIES 300 ,500 ,1000 and 2000 kg



DIMENSIONS FOR CAPACITIES 3000 and 5000 kg



Standard end loading shown.

Options include:

- Through-hole - plain or threaded.
- T-End - supplied current and voltage matched for platforms.
- Imperial capacities can be manufactured with M12 or 1/2"-20 UNC threading

WIRING SCHEMATIC DIAGRAM

