

LHX-1

Shear beam load cell



ECONOMY WITHOUT COMPROMISE

IP67 PROTECTION RATING

PROVEN RELIABILITY

Dependable alloy steel shear beam loadcell

Designed for fixed weight receptors such as platforms, tanks and hoppers

Available in a range of capacities

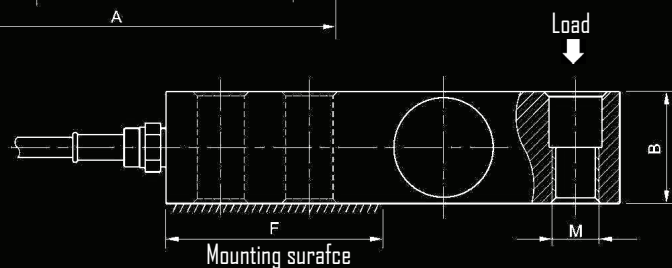
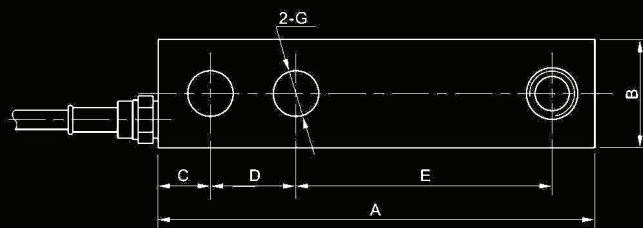
Approved by The National Measurement Institute

Specification

Maximum capacity (ε_{max})	-	500 kg	1000 kg	2000 kg	2500 kg
Min no. verification intervals (V_{min})	-	0.05 kg	0.1 kg	0.2 kg	0.25 kg
Max no. verification intervals (nLC)	-	3000			
Minimum dead load (ε_{min})	-	0 kg			
Accuracy class (OIML R60)	-	C3			
Min dead load output return value (DR)	-	2 kg			
Rated output	-	2 mV/V			
Supply voltage (DC/AC)	-	10 V			
Input impedance	-	$385 \pm 10 \Omega$			
Output impedance	-	$350 \pm 3 \Omega$			
Insulation impedance	-	$\geq 5000M \Omega$			
Load cell construction	-	Alloy steel			
Protection rating	-	IP67			
Non linearity	-	$\pm 0.02 \% F.S.$			
Hysteresis	-	$\pm 0.02 \% F.S.$			
Repeatability	-	$\pm 0.01 \% F.S.$			
Creep (30min)	-	$\pm 0.02 \% F.S.$			
Zero balance	-	$\pm 1 \% F.S.$			
Temp effect on zero	-	$\pm 0.02 \% F.S. / 10 ^\circ C$			
Temp effect on output	-	$\pm 0.02 \% F.S. / 10 ^\circ C$			
Compensated temp range	-	$-10 ^\circ C \sim +50 ^\circ C$			
Nominal operating temp	-	$-20 ^\circ C \sim +60 ^\circ C$			
Safe load limit	-	120 % F.S.			
Cable and length	-	5mm shielded 4 pole, 6m			
NMI approval number	-	S803			

Wiring code

Red	Ex +
Black	Ex -
Green	Sig +
White	Sig -
Shield	



Size (mm)

Capacity	A	B	C	D	E	F	G	Thread	N.W.
500 - 2000 kg	130	32	15.7	25.4	76.2	57	13.5	M12*1.75	1.1 kg
2500 kg	171.5	38	19.1	38.1	95.3	76	20	M18*1.5	1.8 kg