

MACKLOW SMITH COMPRESSION LOAD CELL

Series CN

Applications

Heavy duty weighing, rolling mills, industrial platform, calibration of test machines, load measurement for geophysical work such as plate bearing tests, measuring the load applied in presses.

Design Features

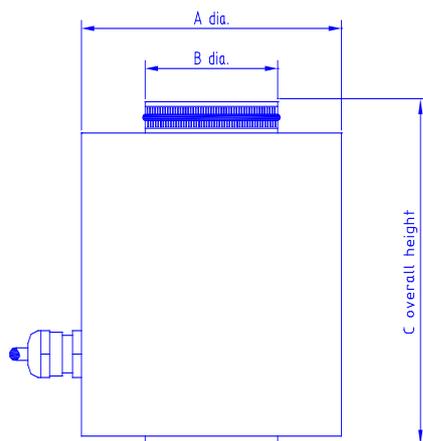
The standard design incorporates an integrated self-aligning platen to ensure accurate measurement of miss-aligned loads.

Calibration

These load cells can be supplied with a Macklow-Smith works calibration certificate traceable to national standards or a UKAS calibration certificate. They can also be supplied tested and ready for calibration by the customers preferred test laboratory.

Options

Carry handles (as shown in photo)
Rubber gaiter between load cell and platen



SPECIFICATION



Capacity	A	B	C
0 - 1000kN	102mm	52mm	110mm
0 - 2000kN	120mm	85mm	153mm
0 - 4000kN	152mm	120mm	214mm
0 - 6000kN	184mm	147mm	250mm
0 - 8000kN	216mm	170mm	293mm
0 - 10MN	254mm	210mm	450mm
0 - 12MN	254mm	210mm	450mm
0 - 15MN	254mm	210mm	450mm
Rated output	2.0mV/V nominal		
Linearity	± 0.25% of rated output		
Non repeatability	± 0.25% of rated output		
Zero Return (30min)	± 0.05% of applied load		
Zero balance	± 1% of rated output		
Operating temperature	-30°C - +80°C		
Compensated temp'	-10°C - +70°C		
Temp' effect on output	± 0.1% of applied load/°C		
Temp' effect on zero	± 0.02% of rated output/°C		
Safe overload	150% of rated capacity		
Ultimate overload	300% or rated capacity		
Excitation	5V -15 V, AC or DC		
Input impedance	760 Ω nominal		
Output impedance	700 Ω nominal		
Insulation resistance	>2 GΩ at 50 V DC		
Construction	Plated alloy steel		
Environmental	IP65		
Cable (standard)	4 core screened		

In the interest of product development we reserve the right to alter specifications without prior notice.