

Features

- Capacities 50tf – 1000tf.
- Linearity $\pm 0.25\%$ RO.
- IP65 rating.
- Optional cable via MIL6 plug and socket.
- Optional handles for easier handling.

Applications

- Heavy duty weighing.
- Rolling mills.
- Industrial platforms.
- Test rigs.



Description

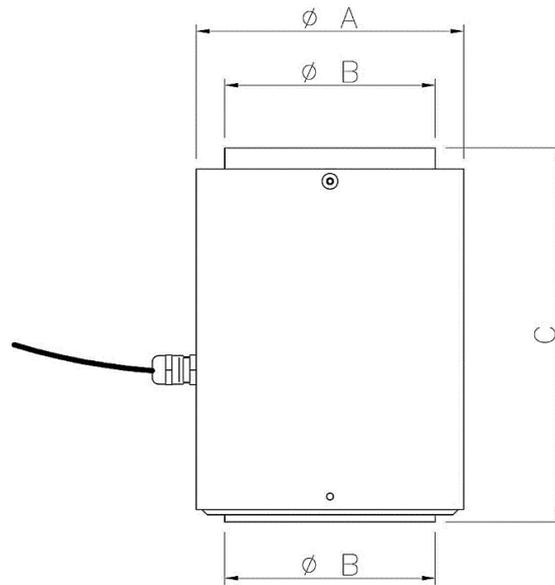
The C-CN is a heavy-duty column design compression load cell with a stainless steel element and plated steel case. The design includes an integrated self-aligning load button. CN load cells are supplied with a load test certificate using a BS EN ISO7500-1 test machine traceable to National Standards (capacities up to 900tf).

If the dimensions or specification of the C-CN load cell do not suit your application, our in-house design team should be able to satisfy your requirements.

Typical Specification

PARAMETER	VALUE							UNITS
Capacities Range	50	100	200	400	600	800	1000	tf
Rated Output	2 $\pm 10\%$							mV/V
Linearity & Non-Repeatability	0.25							$\pm\%$ of Rated Output
Zero Balance	2.0							$\pm\%$ of Rated Output
Temperature Effect <small>ON ZERO</small>	0.02							$\pm\%$ of Rated Output/ $^{\circ}$ C
Temperature Effect <small>ON OUTPUT</small>	0.1							$\pm\%$ of Applied Load/ $^{\circ}$ C
Temperature Range <small>COMPENSATED</small>	-10 to +70							$^{\circ}$ C
Temperature Range <small>OPERATING</small>	-30 to +80							$^{\circ}$ C
Input Resistance	760 \pm 20							Ω
Output Resistance	700 \pm 10							Ω
Insulation Resistance	>2							G Ω
Excitation <small>RECOMMENDED SUPPLY</small>	5-10							Volts AC or DC
Excitation <small>MAXIMUM SUPPLY</small>	15							Volts AC or DC
Mechanical Limit <small>SAFE OVERLOAD</small>	150							% of Rated Output
Mechanical Limit <small>ULTIMATE OVERLOAD</small>	300							% of Rated Output
Weight	4	10	24	35	64	146	~ KG	
Cable Length	5							m
Cable Type	4-wire, screened							-
Construction Material <small>ELEMENT</small>	Stainless Steel							-
Construction Material <small>CASE</small>	Plated Steel							-
Environmental Protection	IP65							-

Outline Dimensions in millimetres



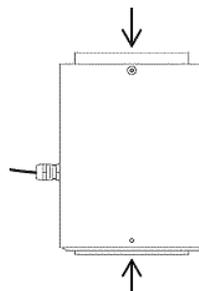
CAPACITY (tf)	A	B	C
50	102	60	110
100	102	60	110
200	120	85	153
400	152	120	214
600	184	147	250
800	216	179	293
1000	254	210	450

If the dimensions or specification do not suit, PCM has an in-house design team that should be able to satisfy your requirements.

Wiring Details

SCHEMATIC DIAGRAM	OUTPUT	CABLE
	EXCITATION +	RED
	OUTPUT +	GREEN
	EXCITATION -	BLUE
	OUTPUT -	YELLOW
	SHIELD	-----

Loading Mode



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