

# CNC—Compression Load Cell



## FEATURES

- Capacities 75—400Te
- Sealed to IP65.
- Accuracy 0.5%\* RO
- Custom build dimensions available.

## APPLICATIONS

- Heavy Duty Weighing
- Rolling Mills.
- Industrial Platforms.
- Test Rigs.

## DESCRIPTION

The CNC is a heavy duty low profile column design load cell produced from plated steel. If the capacities or dimensions do not suit your requirements, PCM's in-house design and build service may be able to satisfy your requirements.

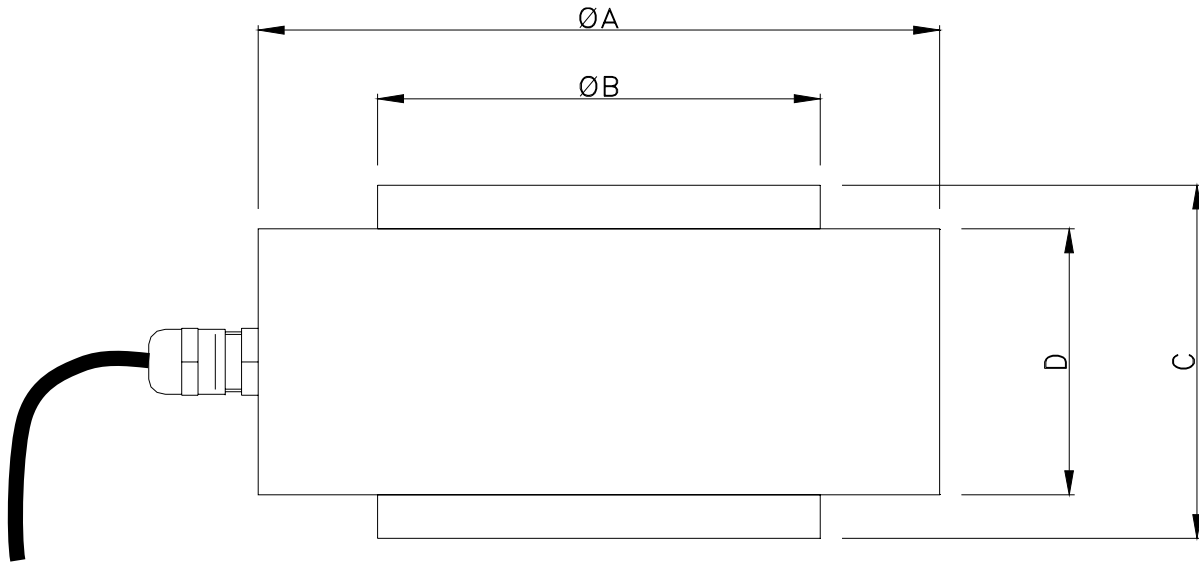
The units are supplied with calibration certificates using a BS EN ISO7500-1 test machine traceable to national standards.

## TYPICAL SPECIFICATION

PARAMETER	VALUE	UNITS
Capacities Range	0.. 75, 100, 200, 300*, 400*.	Te
Rated Output	2.0 nominal	mV/V
Linearity & non repeatability	0.5%, (*1-1.5%)	±% of Rated Output
Zero Return after 30 minutes	0.05	±% of Applied Load
Zero Balance	1.0	±% of Rated Output
Temperature Range: Operating	-30 to +80	°C
Temperature Range: Compensated	-10 to +70	
Temperature Effect: On Output	0.1	±% of Applied Load/°C
Temperature Effect: On zero	0.02	±% of Rated Output/°C
Safe Overload	150	% of Rated Capacity
Ultimate Overload	300	% of Rated Capacity
Excitation: Recommended	10	Volts AC or DC
Excitation: Maximum	15	
Input Impedance	760 nominal	ohm
Output Impedance	700 nominal	ohm
Insulation Resistance	>2	GΩ at 50VDC
Deflection at Rated Capacity	NA	mm
Weight (approximate) :	NA	kg
Construction	Plated alloy steel	
Environmental Protection	IP65	
Cable	5m 4 core screened	

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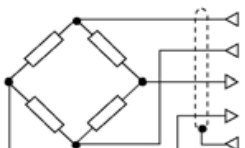
## OUTLINE DIMENSIONS in millimeters



CAPACITY	A	B	C	D
0–75Te	153	102	89	67
0–100Te	153	102	89	67
0–200Te	153	102	89	67
0–300Te	153	127	89	67
0–400Te	153	127	89	67

NOTE: If the dimensions or specification do not suit, PCM have an in-house design and build service that should satisfy your requirements.

### WIRING DETAIL

Dynamometer	OUTPUT	CABLE
	EXCITATION+ EXCITATION - OUTPUT+ OUTPUT- -----	<i>Red</i> <i>Blue</i> <i>Green</i> <i>Yellow</i> <i>Shield*</i>

### LOADING MODE

