

# High Capacity Column Type Compression **LOAD CELL**

## CCD Series



- Capacities 2tonne to 1000tonne
- Sealed to IP65
- Robust Construction
- Submersible versions available
- Competitively Priced!
- **3 YEAR WARRANTY**

### Options Available

Versions rated to IP67 or IP68 (fully submersible)

Other Ranges Available on request

Equivalents to other manufacturers available

Full range of mounting options available, including

- Custom/Standard Loading Caps

- Custom Mounting Bases

High Accuracy Versions available

Versions available with integral signal amplifiers

Shunt Calibration

Internal Signal Amplifiers

Different Cable Lengths

### DESCRIPTION

The CCD series are heavy duty general purpose load cells suited equally for Force Measurement and Weighing applications.

Applications such as silo weighing, pile force measurement, heavy duty jack levelling systems, press calibration are just some of the applications that the CCD feels at home.

The simple column design and sealed construction of the CCD assures excellent resistance in the most arduous of conditions.

The accuracy of the CCD accompanied by keen pricing makes it highly competitive for low and high volume users alike.

Special versions can be manufactured to fit applications where the standard model is not quite suitable, there is also the option of submersible versions and models with on-board signal conditioning.

*Transducer Specialists...*



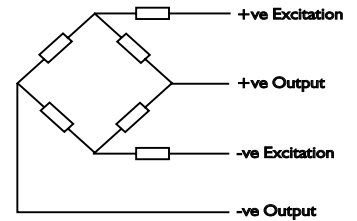
## **APPLIED MEASUREMENTS LIMITED**

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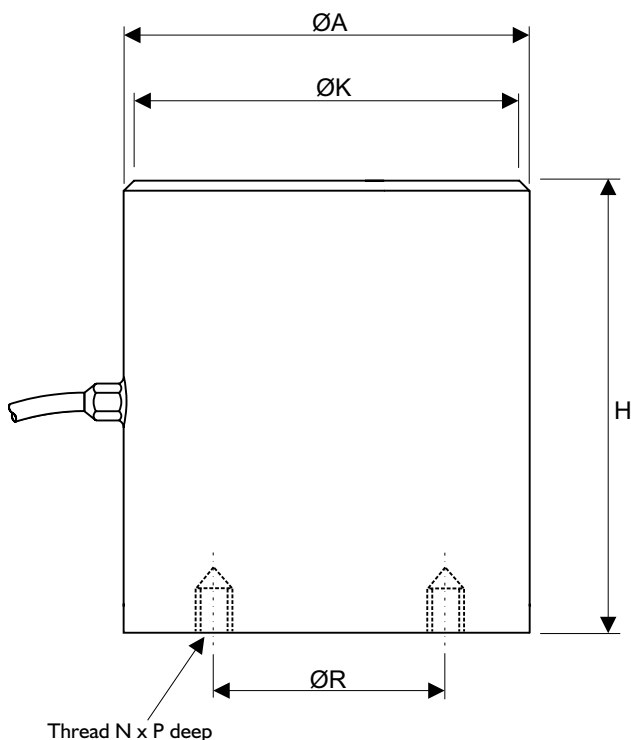
# SPECIFICATION

Wiring Schematic Diagram



CHARACTERISTICS	CCDT	CCDG	UNITS
Rated Capacities:	2, 5, 10, 25, 50	100, 200, 500, 1000	tonnes
Rated Output:	2.0 nominal	2.0 nominal (1.5 nom. on 500te>)	mV/V
Total Error:	0.15	0.25	±% of Rated Output
Zero Return:	0.040	0.04	±% of Applied Load
Zero Balance:	2.0	2.0	±% of Rated Output
Temperature Range: Operating	-20°C to +70°C	-20°C to +70°C	°C
Compensated	-10°C to +50°C	+10°C to +50°C	°C
Temperature Effect: On Output	0.010	0.010	% of Applied Load/ °C
On Zero	0.010	0.010	% of Applied Load/ °C
Safe Overload:	150	150	% of Rated Capacity
Ultimate Overload:	300	300	% of Rated Capacity
Excitation: Recommended	10	10	Volts AC or DC
Maximum	15	15	
Bridge Resistance:	700	1400	Ohms
Insulation Impedance:	>500	>500	Megaohms @ 500vdc
Deflection at Rated Capacity:	<0.4	<0.4	mm
Construction:	Stainless Steel	Stainless Steel	
Environmental Protection:	IP65	IP65	
Cable:	4 Metres (standard) 4 Wire Cable	4 Metres (standard) 4 Wire Cable	

All dimensions in mm



MODEL	Capacity (t)	H	ØA	ØK	Thread N	P	ØR
CCDT	2, 5	40	31	22	M3	5	20
CCDT	10, 25	75	50	39	M4	8	34
CCDT	50	100	88	80	M4	8	50
CCDG	100	150	100	88	M5	10	70
CCDG	200	180	127	106	M6	12	78
CCDG	500	250	180	150	N/A	N/A	N/A
CCDG	1000	400	300	230	N/A	N/A	N/A

