

High Capacity, High Accuracy Column Type Compression **LOAD CELL**

CCD-0.1% Series



- Capacities 2 tonnes to 1000 tonnes
- $< \pm 0.1\%$ Accuracy
- 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

Calibration to BS EN ISO376

Versions available with integral signal amplifiers

Shunt Calibration

Different Cable Lengths

DESCRIPTION

The CCD-0.1% series are high accuracy column load/force cells designed for use as Reference Standards or in high capacity weighing applications where accuracy is of utmost importance. The CCD-0.1% can be supplied certified by a UKAS laboratory to BS EN ISO376 standards if required.

Applications such as silo weighing, pile force measurement, heavy duty jack levelling systems, press calibration are just some of the applications in which the CCD-0.1% 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-0.1% 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

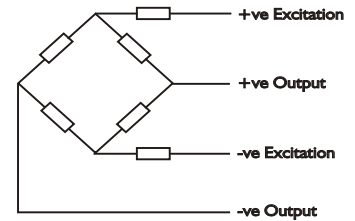
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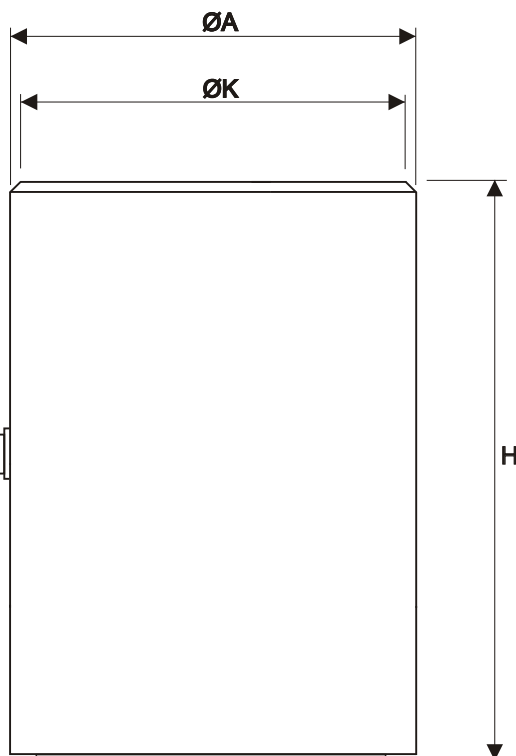
SPECIFICATION

Wiring Schematic Diagram



CHARACTERISTICS	CCDT-0.1%	CCDG-0.1%	UNITS
Rated Capacities:	2, 5, 10, 25, 50	100, 200, 300, 500, 1000	tonnes
Rated Output:	2.0 nominal	2.0 nominal	mV/V
Total Error:	0.10	0.10	±% 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	0.005	0.005	% of Applied Load/ °C
On Zero	0.005	0.005	% of Applied Load/ °C
Safe Overload:	150	150	% of Rated Capacity
Ultimate Overload:	300	300	% of Rated Capacity
Excitation: Recommended	10	10	
Maximum	15	15	Volts AC or DC
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 (IP68 available)	IP65 (IP68 available)	
Electrical Connection:	Cable Gland fitted with 4m of 4-core PUR cable	6-Pin Bayonet-Lock Connector inc. Mating Half fitted with 4m PUR cable	

All dimensions in mm



MODEL	Capacity (t)	H	ØA	ØK
CCDT	2, 5	52	28	19
CCDT	10, 25	100	45	36
CCDT	50	185	70	58
CCDG	100	185	100	88
CCDG	200	300	127	113
CCDG	300	325	145	160
CCDG	500	420	180	166
CCDG	1000	595	300	285

