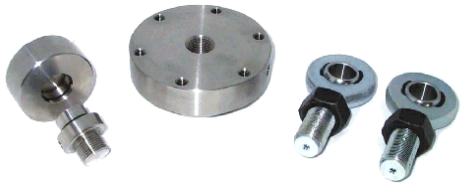
Data Sheet: 4CTCD.326.R4

4CTCD

Loadcell

Accessories



Load	Display	Ris.
0.5 t	0.5000 t	0.1 kg
1 t	1.000 t	1 kg
2.5 t	2.500 t	1 kg
5 t	5.000 t	1 kg
10 t	10.000 t	1 kg
20 t	20.000 t	1 kg
30 t	30.00 t	10 kg
50 t	50.00 t	10 kg
75 t	75.00 t	10 kg
100 t	100.00 t	10 kg

Long term high stability

LED DISPLAY

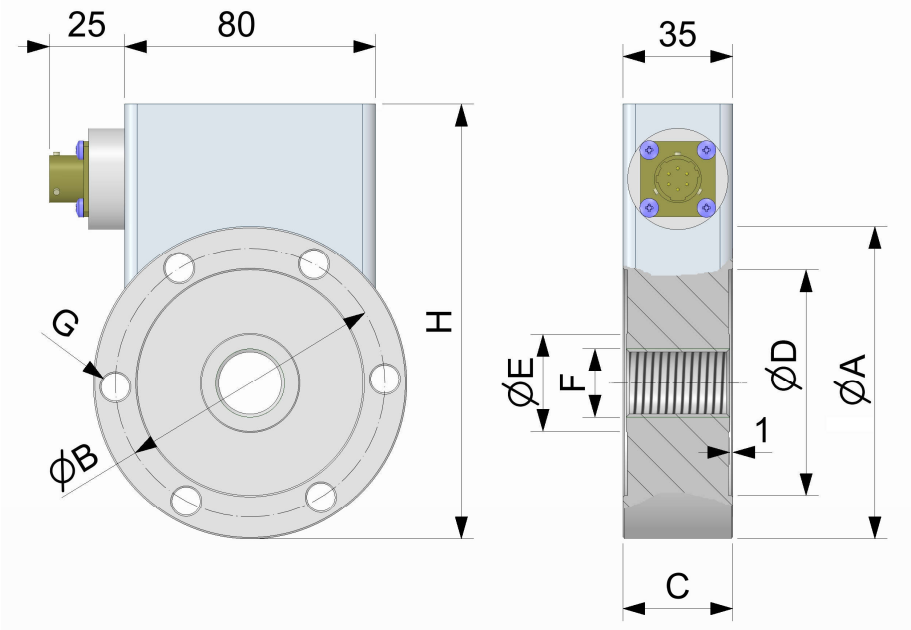
≤±0.05%
Linearity - Hysteresis

EASY APPLICATION

CE RoHS

Dimensions [mm]

CODE	LOAD	ØA	B	C	ØD	ØE	F	G	n° G	H
CDCTC4100500K	0.5 t	100	86	35	72	32	M20X1.5	9	6	139
CDCTC41001T5M	1 t									
CDCTC41002T5M	2.5 t									
CDCTC41275T5M	5 t	127	110	35	92	47	M30X2	10.5	8	166
CDCTC412710T5M	10 t									
CDCTC416520T5M	20 t	165	138	50	108	62	M42X3	17	12	204
CDCTC416530T5M	30 t									
CDCTC416550T5M	50 t			60						
CDCTC423075T5M	75 t	230	185	80	145	98	M60X3	26	12	269
CDCTC4230100T5M	100 t									



Technical Data

Accuracy	**≤ ± 0.05% F.S.**				
NOMINAL LOAD	0.5-1-2.5 t	5-10 t	20-30 t	50 t	75-100 t
LINEARITY	≤ ±0.05% F.S.				
HYSTERESIS	≤ ±0.05% F.S.				
REPEATABILITY	≤ ±0.02% F.S.				
INTERNAL RESOLUTION	±99999 div.				
READINGS PER SEC. (0 filter)	100 (10ms)				
REFERENCE TEMPERATURE	+23°C				
TEMPERATURE NOMINAL	-10/+40 °C				
RANGE SERVICE TEMPERATURE	-10/+70 °C				
STORAGE TEMPERATURE	-20/+80 °C				
TEMPERATURE EFFECT (10°C)					
a) on zero	≤ ±0.028% F.S.				
b) on sensitivity	≤ ±0.024% F.S.				
EFFECT OF TRANSVERSE LOAD:					
a) at 10% of nominal load	≤ ±0.030% F.S.				
ZERO FUNCTION	100% F.S.				
PROGRAMMABLE DIGITAL FILTER	0÷5				
PROGRAMMABLE RESOLUTION	1, 2, 5, 10, 20, 50, 100				
PEAK FUNCTION	Pos. (+), Neg. (-) or Disabled				
RED DISPLAY (high efficiency) DISPLAY HEIGHT	7 segments 13 mm				
RECOMMENDED POWER SUPPLY ABSOLUTE POWER	10÷15Vdc **18Vdc** overvoltage and overcurrent protected				
SUPPLY MAX. ELECTRICAL	50mA				
INPUT POWER CONNECTOR	MIL PT02E10-6P				
MECHANICAL LIMIT VALUES REFERRED TO NOMINAL LOAD:					
a) service load	120%				
b) max permissible load	150%				
c) breaking load	>300%				
d) max transverse load	50%				
e) max permissible dynamic load					75% (1)
DISPLACEMENT AT NOMINAL LOAD	~0.06mm	~0.09mm	~0.17mm	~0.17mm	~0.23mm
WEIGHT	~1.60 kg	~2.45 kg	~5.80 kg	~6.80 kg	~16.5 kg
PROTECTION CLASS (EN 60529) EXECUTION MATERIAL	IP40 Acciaio Inox / *Stainless Steel*				
CABLE LENGTH	5m				
FIXING SCREWS					
a) diameter	M8	M10	M16	M16	M24
b) resistance class	12.9	12.9	12.9	12.9	12.9
c) tightening torque	40 Nm	70 Nm	368 Nm	368 Nm	460 Nm

*Tests and calibrations performed in **COMPRESSION** with the transducer mounted on a bearing support with correctly tightened clamping screws.*

(1) *The dynamic load must be applied to the transducer central thread and not to the external fixing rim.*

Optionals

SERIAL OUTPUT	RS232C
PROGRAMMABLE BAUD RATE	38400,19200, 9600, 4800

Electrical Connections

MIL6M	INPUT	*CABLE* (*optional*)
A	POWER +	***Red***
B	(12Vdc) POWER -	***Black***
C	(GND) GND	***Blue***
D	RX	***Yellow***
E	TX	***White***
F	EARTH (1) ⏚	***Shield***

(1) *Connected to the body of the transducer.*

Applications

*For the transducer application look at the data sheet: **4CT.211***