Models RLC

Revere



Ring Torsion Load Cell



FEATURES

- Capacity range: 250 kg to 60 ton
- . Low profle, stainless steel construction
- Hermetically sealed, IP66 and IP68
- Meets OIML R-60 and NTEP 6000d
- Outputs are matched to ensure easy and accurate parallel connection of multiple load cells

OPTIONAL FEATURE

- ATEX certifed versions are available for use in potentially explosive atmospheres
- Multi-interval and multiple-range versions are available

DESCRIPTION

The RLC is a low profle, high performance stainless steel ring torsion type load cell.

The fully welded constuction and glass-tometal cable-entry ensure that this product can be used successfully in harsh environments found in the food, chemical and allied process industries.

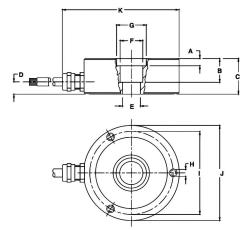
OUTLINE DIMENSIONS in mm

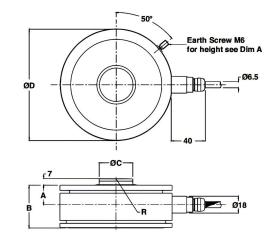
This product is suitable for small and medium platform scales, hoppers and process weighing.

This product meets the stringent Weights and Measures requirements throughout Europe and USA.

APPLICATIONS

- Platform scales
- Belt scales
- · Silo hopper weighing





CAPACITY (T)	0.25, 0.5, 1	2, 3.5, 5	10	Oshla sussifisations	CAPACITY (T)	28	60
A	1.0	6.0	-	Cable specifications Cable length: 3m for 0.25–1T,	A	21	28
B	15.0	20.0	14.8	5m for 3–10T, 10m for 28T,	В	46	62
С	25.0	30.0	35.0	15m for 60T	С	35.9	47.9
D	9.5	8.5	10.0	Excitation + Pink	D	120	140
E	M10	15 H7	Ø24.9	Excitation – Grey	R	400	600
F	Ø19	Ø19	Ø29.1	Output + Brown			
G	Ø25	Ø25		Output – White			
Н	M6 (3X120°) 8 Deep			Cable screen is connected to load			
<u> </u>	Ø70	Ø70	Ø83	cell body. For capacities 28 and 60			
J	Ø80	Ø80	Ø95	ton cable screen is not connected			
K	97.5	97.5	112.5	to body.			

All dimensions in mm



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SPECIFICATIONS

PARAMETER			UNIT		
Rated capacity—R.C. (Emax)	0.25, 0	.5, 1, 2, 3.5, 5	ton		
Accuracy class according to OIML	NTEP	D3	C3 ³	C4 ²	
Maximum no. of verfcation intervals (nlc)	10000		3000	6000	
Minimum verifcation interval			Emax/10000	Emax/15000	
Minimum verifcation interval type MR			Emax/20000(1)	Emax/28000	
Rated output (=S)		2 (1.75 for 0	mV/V		
Output accuracy for multiple LC systems		0.01	±mV/V		
Zero balance		1.0	±% FSO		
Combined error	0.0200	0.0300	0.0230	0.0115	±% FSO
Creep error (30 minutes)			0.0245	0.0123	±% FSO
Temperature effect on zero	(0.0010)	(0.0010)	0.0070	0.0045	±% FSO/5°C (/°F)
Temperature effect on sensitivity (output)	(0.0008)	(0.0008)	0.0050	0.0025	±% FSO/5°C (/°F)
Minimum dead load		0	% Emax		
Maximum safe overload		150	% Emax		
Ultimate overload		300	% Emax		
Maximum safe side load	100% up to ⁻	10 ton 50% f	% Emax		
Defection at Emax		0.12-0.20	mm		
Excitation voltage		5 to 15	V		
Maximum excitation voltage		30	V		
Input resistance		50 (1100±50 f 100 for 28T 13			
Output resistance		£25 (1025±50 930±0.5 for 2 1175±0.5 for 6			
Insulation resistance		≥5000 (20 1	Μ		
Compensated temperature range		-10 to +40	°C		
Operating temperature range		-30 to +70	C°		
Storage temperature range		-50 to +80	°C		
Element material (DIN)		Stainless st			
Sealing (DIN 40.050 / EN60.529)		IP66 and IP			
Recommended torque on fxation bolts		12 to 14	N*m		
ATEX opt. for potent. explosive atmo-spheres	ll2G EEx	ib IIC T4/T6, I			

Capacities of 28 and 60 ton Emax/15,000 appr

application range for 0.5T is 0.75*Emax.

2. 250 kg and 10 ton capacities are approved to The following accuracy classes are available (from 0.5T to 10T): C3MI6 and C3MI7.5. Minimum dead load output return is ½ Emax/6000 and ½ Emax /7500 respectively

FSO-Full Scale Output All specifcations subject to change without notice.



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