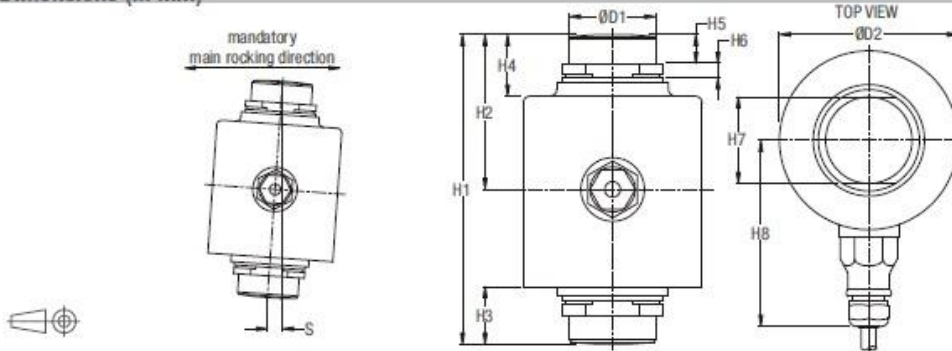


Specifications

		(E _{max})	t	7.5 / 15 / 22.5 / 30 / 40 / 50 / 100 / 150 / 300	7.5 / 15 / 22.5 / 30 / 40 / 50			
Maximum capacity	(E _{max})				2%·E _{max}			
Minimum dead load	(E _{min})				2%·E _{max}			
Accuracy class according to OIML R60				(GP)	C1	C3	C3 MI 8	C4
Maximum number of verification intervals	(n _{LC})			n.a.	1 000	3 000		4 000
Minimum load cell verification interval	(v _{min})			n.a.	E _{max} / 5 000	E _{max} / 15 000		
Temp. effect on minimum dead load output	(TC ₀)	%·RO/10°C		± 0.0400	± 0.0280	± 0.0093		
Temperature effect on sensitivity	(TC _{RO})	%·RO/10°C		± 0.0200	± 0.0160	± 0.0100		
Combined error		%·RO		± 0.0500	± 0.0300	± 0.0200	± 0.0180	± 0.0180
Non-linearity		%·RO		± 0.0400	± 0.0300	± 0.0166	± 0.0166	± 0.0125
Hysteresis		%·RO		± 0.0400	± 0.0300	± 0.0166	± 0.0062	± 0.0125
Creep error (30 minutes) / DR		%·RO		± 0.0600	± 0.0490	± 0.0166	± 0.0062	± 0.0125
Option	Min. load cell verification interval	(v _{min opt})		n.a.	n.a.	E _{max} / 10 000	n.a.	n.a.
	Temp. effect on min. dead load output	(TC _{0 opt})	%·RO/10°C	n.a.	n.a.	± 0.0140	n.a.	n.a.
Rated Output	(RO)	mV/V			2 ± 0.1%			
Calibration in mV/V/Ω (A...I classified)		%			± 0.05 (± 0.005)			
Zero balance		%·RO			± 5			
Excitation voltage		V			5...15			
Input resistance	(R _{LC})	Ω			1 150 ± 50			
Output resistance	(R _{out})	Ω			1 000 ± 2			
Insulation resistance (100 V DC)		MΩ			≥ 5 000			
Safe load limit	(E _{lim})	%·E _{max}			200			
Ultimate load		%·E _{max}			300			
Compensated temperature range		°C			-10...+40			
Operating temperature range		°C			-40...+80 (ATEX -40...+60)			
Load cell material					stainless steel 17-4 PH (1.4548)			
Sealing					complete hermetic sealing; cable entry sealed by glass to metal header			
Protection according EN 60 529					IP68 (up to 2 m water depth) / IP69K			

The limits for Non-Linearity, Hysteresis, and TC_{RO} are typical values.
The sum of Non-linearity, Hysteresis and TC_{RO} meets the requirements according to OIML R60 with p_{LC}=0.7.

Dimensions (in mm)



Type	H1	H2	H3	H4	H5	H6	H7	H8	D1	D2	S _{max} *	RF**
RC3-7.5 t	89	44	17	23	11	6	28	75	28	65	4.5	11 kN
20 kN												
30 kN												
RC3-22.5 t	140	70	26	28	13	6.5	39	84	39	81	10.5	34 kN
RC3-30 t												10
RC3-40 t												37 kN
RC3-50 t	178	89	32	34	17	8.5	44	94	44	99	9	51 kN
RC3-100 t												11.5
RC3-150 t												152 kN
RC3-300 t	210	105	42.7	42.7	20.6	12.8	76.2	121.5	76.2	165	14.5	240 kN
RC3-300 t	280	140	55.9	55.9	25	21.5	100	100	100	165	15	468 kN

* S_{max} = maximum lateral displacement of load introduction. Recommended gap 2...3 mm for 7.5...22.5 t, 3...5 mm for 30...300 t.
** RF = restoring force at S_{max} and E_{max}.

Wiring

- The load cell is provided with a shielded, 4 conductor cable (7.5 to 22.5 t: AWG 24; 30 t + 40 t: AWG20 or AWG24; 50 t or higher: AWG 20). Cable jacket polyurethane
- Cable length: various lengths available (see product label)
- Cable diameter: 5 mm for 7.5 to 22.5 t (30 t and 40 t as an option) 7.8 mm for 30 to 300 t
- The shield is floating

