



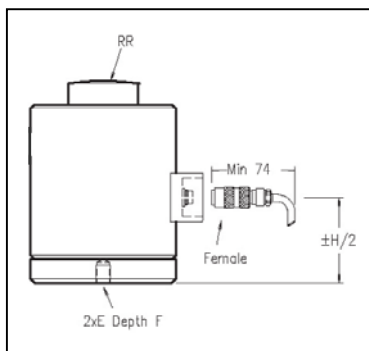
## Technical Data Sheet.

### High Capacity Compression Load Cells. (30KN to 3000KN Capacity).



High capacity compression load cell.  
 Alloy steel.  
 Protection IP65  
 Especially manufactured to IOS376 and  
 EN1002-3 norms in class "0.5" or "00".

### Physical Dimensions



CAPACITIES	∅A	∅B <sup>-0.05</sup> / <sub>-0.15</sub>	C	D	E	F	H	RR	CL	Max.Deflexion	Weight	R Input(ohms)
30 - 50 kN	64	36	45	20	M10	12	135	250	6 m	0.12 mm	2kg	±350 Ω (0.25,0.1%) ±700 Ω (0.05%,0.03% or cl 1,cl 0.5,cl 00 to ISO 376
75 - 200 kN										0.16-0.18 mm	2.2kg	
300-500 kN	89	56	60	30	M12	15	160	300		0.18-0.20 mm	4.5kg	
0.75 - 1 MN	89	64	65							M16	16	
1.5 - 2 MN	119	90	90	M20	20	270	450	12 m	0.29-0.35 mm			20kg
3 MN	159	125	100						40	35	350	500
5 MN	205	160	125	50	40	460	600	±0.5 mm	90kg			
7.5-10 MN	294	200	200	60	M30	40	460	600	±0.7 mm	243kg		
15 - 20 MN	364	250	270	75	M36	50	550	800	±0.8 mm	446kg		
30 MN	445	300	300								600	1000

Remark : 2 - 30 MN (200-3000t) usually to customer design specification

### Specifications.

Accuracy class		0.25	0.1	0.05	0.03
			1000 d	2000 d	3000 d
Non-Linearity	% R.O.	< ± 0.25	< ± 0.1	< ± 0.05	< ± 0.025
Hysteresis	% R.O.	< ± 0.25	< ± 0.1	< ± 0.05	< ± 0.025
Repeatability	% R.O.	< ± 0.1	< ± 0.03	< ± 0.02	< ± 0.015
Creep (30 min).	% R.O.	< ± 0.1	< ± 0.06	< ± 0.04	< ± 0.025
Reference temperature	°C	23	23	23	23
Compensated temperature range	°C	- 10...+ 45	- 10...+ 45	- 10...+ 45	- 10...+ 45
Service temperature range	°C	- 30...+ 70	- 30...+ 70	- 30...+ 70	- 30...+ 70
Storage temperature range	°C	- 50...+ 85	- 50...+ 85	- 50...+ 85	- 50...+ 85
Temperature coefficient of output	% /10°C	< ± 0.05	< ± 0.05	< ± 0.035	< ± 0.015
Temperature coefficient of zero	% F.S./10°C	< ± 0.035	< ± 0.035	< ± 0.03	< ± 0.023
Output ( R.O.)	mV/V	1,5			
Zero balance	mV/V	± 0.02	± 0.02	± 0.02	± 0.02
Tolerance on Rated Output	% of R.O.	< ± 0.3	< ± 0.3	< ± 0.3	< ± 0.1
Input / Output resistance	Ohm	702 ± 20	351 ± 2	351 ± 2	702 ± 4
Insulation resistance (50V)	Mohm	> 5000	> 5000	> 5000	> 5000
Recommened excitation voltage	V	5 to 10	5 to 10	5 to 10	5 to 10
Maximum excitation voltage	V	15	15	15	15
Overload, Safe	% R.L.	150	150	150	150
Overload, Ultimate	% R.L.	300	> 300	> 300	> 300
Side Load limit	% R.L.	15			
Permissible dynamic loading	% R.L.	50	50	50	50

R.L. = Rated Load Specifications subject to change without notice