

Rocker Column Load Cell

FEATURES

- Capacities: 30T and 40T
- Self-restoring rocker column
- High performance compact design
- Environmentally sealed, IP66/IP68 (5 bar)
- Certificate: OIML R60 (NTEP Class IIIL: 10,000d Pending)
- Current calibration output ensures easy and accurate parallel connection of multiple load cells
- Anti-rotation pin

APPLICATIONS

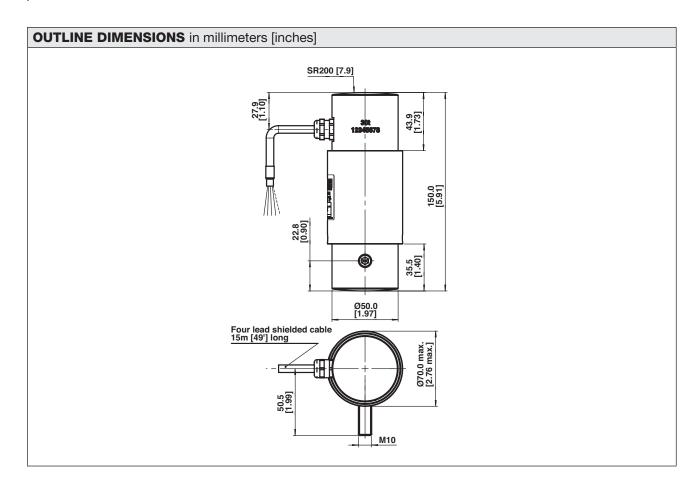
- Weighbridges
- Silo and hopper weighing
- · Process weighing



The Model 116 is a high-capacity single-column load cell, designed around a nickel-plated, alloy steel element. It is environmentally sealed and the use of redundant O-rings and high-grade potting material provide excellent ingress protection.



The Model 116 is suitable for all heavy weighing applications and provides the user with excellent overall value.





Rocker Column Load Cell

SPECIFICATIONS					
PARAMETER	VALUE				UNIT
Rated capacity—R.C. (E _{max})		30,	Т		
Accuracy class designation	Non- Approved	NTEP IIIL	OIML C3	OIML C3MR	
Accuracy class	Е	13	G5	G3	
Minimum utilization	NA	33	50	30	% of R.C.
Maximum no. of intervals (n)	NA	NA 10000 Mult 3000			
Rated output—R.O.		2	mV/V		
Rated output tolerance	0.02				±mV/V
Zero balance		0.	±mV/V		
Creep, 30 min.	0.074	0.050	0.025		±% of load
Zero return, 30 min.	0.050	0.015	0.017		±% of load
Total error	0.060	0.03	0.020		±% of R.O.
Temperature effect on output	0.0023	0.0012	0.0012		±% of load/°C
Temperature effect on zero	0.0046	0.0014	0.0023	0.0014	±% of R.O./°C
Y = E _{max} /V _{min}	NA	30000	6000	10000	
Temperature range, compensated		-10 to	°C		
Temperature range, safe	-30 to +70				°C
Temperature range, storage		-40 to	°C		
Maximum safe static overload		15	% of R.C.		
Ultimate static overload		30	% of R.C.		
Excitation, recommended		1	VDC or VAC RMS		
Excitation, range	5 to 20				VDC or VAC RMS
Input impedance	1160±60				Ω
Output impedance	1000±10				Ω
Insulation resistance	>2000				ΜΩ
Cable length	15				m
Cable type	4	conductors, AV			
Color code	+Exc: Green, +Sig: White, -Exc: Black, -Sig: Red Shield: Bare, twisted braid				
Construction		alloy steel, coa			
Environmental protection	IP66/IP68-5 bar				

All specifications are subject to change without notice.



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