

Low Profile Shear Force Load Cell

FEATURES

- Capacity 250, 500, 1000 and 2000 kN
- · Other capacities on request
- Very low profile
- High long-term stability and repeatability
- Operating temperature range –40 to +80°C (+125°C with optional Teflon cable)
- 10 m special cable. Option: Load cell with connector
- Yellow Chromate Zinc plated steel
- Protection class IP67

OPTIONS

- Load cell can be customized to a large variety in dimensions and capacities
- Customised adaptor plates and other mounting assemblies on request



- · Silo and hopper weighing
- · Tundish weighing
- Various applications in steel mills and foundries
- Industrial applications

DESCRIPTION

The model CLC-1 is a very low profile load cell, working according to the shear force principle (no membrane), ideally suited for applications in harsh environments.

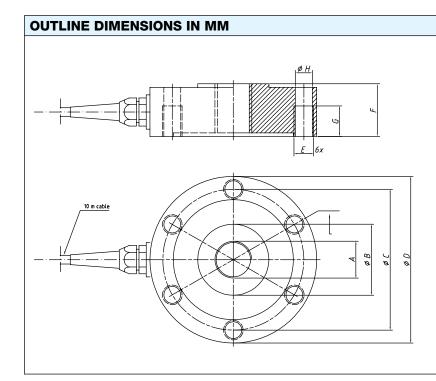


Due to the special design, the CLC-1 load cell is insensitive against side loading and other interfering effects.

Because of the optional high operating temperature range of –40 up to +125°C, the CLC-1 load cell is suitable for use in steel mills and foundries.

Due to the high repeatability and high long-term stability, the load cell supplies very good results, even after perennial use.

Protection class IP67 gives an excellent protection against dust and moisture.



DIM.	25†	50t	100t	200†
Α	M30 x 1,5	M30 x 1,5	M40x1,5	M55x1,5
В	58	58	85	120
C	115	115	164	220
D	136	136	195	263
E	M16	M16	M20	M24
F	43	43	58	67
G	25	25	30	40
Н	13.5	13.5	18 5	21



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SPECIFICATIONS				
PARAMETER	VALUE			
Rated capacity (R.C.)	250, 500, 1000, 2000 kN			
Rated output (R.O.)	2.0 mV/V			
Combined Error	±<0.1% of C			
Temperature effect: on zero	±0.005% of R.O./°C			
Temperature effect: on output	±0.005% of Output/°C			
Nominal temperature range	-10 to +80°C			
Operating temperature range	-40 to +80°C (+125°C on request)			
Safe load	200% R.C.			
Ultimate load	>300% RC			
Max. admissible side load	50% RC			
Recommended excitation	10 VDC or VAC			
Max. supply voltage	36 VDC or VAC			
Input impedance	750 Ω ±15 Ω			
Output impedance	700 Ω ±10 Ω			
Insulation impedance	>2000 MΩ			
Material	Yellow chromate zinc plated steel			
Environmental protection	IP67			

BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.



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Document No.: 63999 Revision: 15-Jul-2014