

# BR032SD

## Digital Compression Load Cell



### Applications



Truck Scales



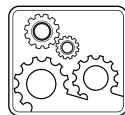
Tank, Bunker,  
Silo Weighing



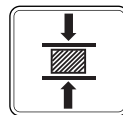
High Capacity  
Applications



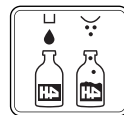
Special  
Weighing



Industrial  
Processes



Testing  
Machines



Packing & Filling  
Applications

### Key Features

- Digital data output
- Dual connectors eliminating j-box need
- 20~100 t Capacities
- EU OIML R60 approved
- Stainless steel
- Protection class: IP68

BR032SD digital load cell, offering a high resolution for accurate and reliable measurement with its advanced electronic design, provides high accuracy, especially for vehicle scales and high-capacity industrial weighing applications. Compared to scales with analogue load cells, the BR032SD digital load cell provides more accurate, precise, and reliable weighing performance.

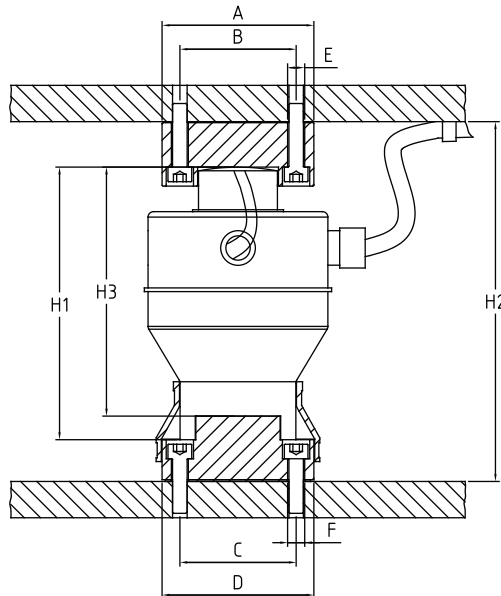
With its dual connectors, multiple load cells can be connected in a daisy chain network that eliminates the junction box. Thanks to the digital load cell technology, individual load cell number is displayed on the weighing indicator, and any required adjustments can be made directly via indicator keys. In the event of any load cell malfunction in the system, weighing is prevented.

Hermetically sealed, stainless-steel structure with an IP68 protection class makes BR032SD dependable even in the most demanding industrial environments. Moreover, the stainless steel upper and lower mounting parts offer the most effective load transfer for compression force.

# Technical Specifications

Model		BR032SD	
Capacity ( $E_{max}$ )	t	20 / 30 / 50	
Accuracy class according to OIML R60		C3	C5
Max. number of load cell verification intervals ( $n_{LC}$ )		3000	5000
Ratio of minimum load cell verification interval $Y = E_{max} / (V_{min})$		10 000	
Ratio of minimum dead load output return $Z = E_{max} / (2 * DR)$		5 000	
Internal resolution (Max.)	Count @ $E_{max}$	8 000 000	
Fraction $p_{LC}$		0.8	
Temperature effect on zero	% $E_{max} / 10^{\circ}C$	$\leq 0.015$	
Temperature effect on sensitivity	% $E_{max} / 10^{\circ}C$	$\leq 0.01$	
Combined error	% $E_{max}$	$\leq 0.017$	
Zero balance	% $E_{max}$	$\leq \pm 1$	
Creep error (30 minutes)	% $E_{max}$	$\leq 0.01$	
Safe load limit	% $E_{max}$	150	
Ultimate load	% $E_{max}$	300	
Communication		RS485, Baykon BDLC protokolü	
Excitation, recommended	V (DC)	12	
Excitation voltage range	V (DC)	10 - 16	
Current consumption (at 12 V)	mA	23	
Compensated temperature range	$^{\circ}C$	- 10 ... + 40	
Operating temperature range	$^{\circ}C$	- 30 ... + 70	
Material		Paslanmaz çelik	
Protection class		IP68	
Cable		Length: 7m, $\varnothing$ 8,8 mm, With stainless steel braided sleeving, and connectors terminating both end	

## Dimensions (mm)



Capacity (t)	20 / 30 / 50
(mm)	
A	$\varnothing 83.5$
B	64
C	64
D	$\varnothing 83.5$
E	$\varnothing 9.4$
F	$\varnothing 9.4$
H1	150
H2	200
H3	140

## Color Codes

