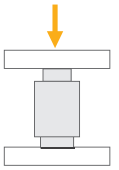


# BR016D

## Compression Load Cell



### Applications



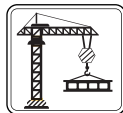
Tank & Silo



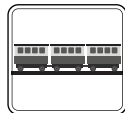
Industrial Processes



Truck Scales



High Capacity Applications



Railroad Truck Scales

### Key Features

- Capacities: 20~100 t
- OIML R60 approved
- Alloy steel construction
- Protection class: IP68

BAYKON BR016D digital load cells are designed to use mainly for vehicle scales and similar heavy-capacity weighing applications. It is a compression type load cell with an integral rock-er-pin design that automatically aligns load forces for accurate weighing. With its Alloy steel, IP68 hermetically sealed enclosure, it can be used safely in harsh environments.

BAYKON BR016D digital load cells provide fast and effective service opportunity with technologic design structure. Those digital load cells; eliminate possible errors which can occur with standard analogue load cell scales such as temperature, nonlinearity, hysteresis, electromagnetic effects and voltage variation. Weighing is blocked in case of load cell is broken.

Its advanced electronic design provide high resolution and long term stable digital output signal for accurate and reliable measurement. BR016D digital load cells are matched at the production which provides direct replacement without calibration with test weights for non-legal scales.

# Technical Specifications

Maximum capacity ( R.C. )	t	20 / 30 / 40 / 50 / 100
Accuracy class according to OIML R60		C3
Minimum dead load	kg	20
Maximum number of verification intervals ( nLC )		5000
Minimum load cell verification interval ( Y )		10000
Fraction factor	pLC	0.8
Linearity	ppm R.C.	< ± 110
Hysteresis	ppm R.C.	< ± 180
Combined error	ppm R.C.	< ± 300
Temperature effect on zero	ppm R.C./°C	< ± 140
Temperature effect on span	ppm R.C./°C	< ± 17
Internal resolution	Counts @ R.C.	≥ 6000000
External resolution	Counts @ R.C.	≥ 50000
Safe load limit	% R.C.	150
Ultimate load	% R.C.	300
Zero balance	% R.C.	< ± 1
Zero Return, 30 min.	ppm R.C.	< ± 180
Excitation, recommended	V DC	10
Excitation, maximum	V DC	18
Insulation impedance	MΩ	≥ 5000
Temperature range, compensated	°C	-10... + 40
Temperature range, operating	°C	- 40... + 80
Construction		Alloy steel, Hermetically welded
Environmental protection		IP68
Cable		Fixed outlet, Length: 14 meter ( 20-30 t ), 16 meter ( 40-50-100 t )
Package size & weight		380 x 320 x 190 mm - 7,5 kg

## Dimensions (mm)

