

# WBK-D SERIES

## Digital Compression Load Cell

CAS WBK-D digital load cell is designed to be use in vehicle scales and other heavy-capacity weighing applications.

It is a stainless steel compression load cell with a digital output signal. Using the digital output, the user can communicate with each load cell independently and have the additional advantages of a digital calibration, corner compensation, quick and easy fault finding and replacement of a load cell within a weighing system.

- Simple installation and effective maintenance
- High accuracy
- IP68 and Hermetically sealed



**CAS**



# WBK-D SERIES

## Features

**SUS**

### Stainless steel components

- Ideal for Heavy-duty
- Anti corrosion construction



### Diagnosis function

- Monitoring performance
- Fault findings



### Built-in lightning protection

- Protecting internal components from lightning strikes

### IP68 with complete hermetic sealing

- Available even in the wettest and harshest environment

**IP68**

### Easy communication and strong digital output signal (RS485)

- Resisting external noises
- Max. transmission distance : 1000m



### High accuracy

- 300,000 counts of rated output
- 5000d and better performance than analog loadcell

**D**  
300,000

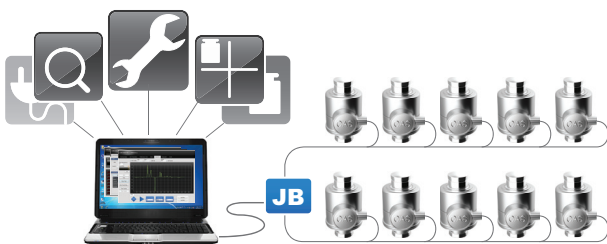


## Simple installation & effective maintenance

- Diagnosing by independent communication with PC or Digital indicator(CI-200D & NT-580D)
- Shortening intallation time and cost
- Convenient load cell replacement

## DLC works (PC software)

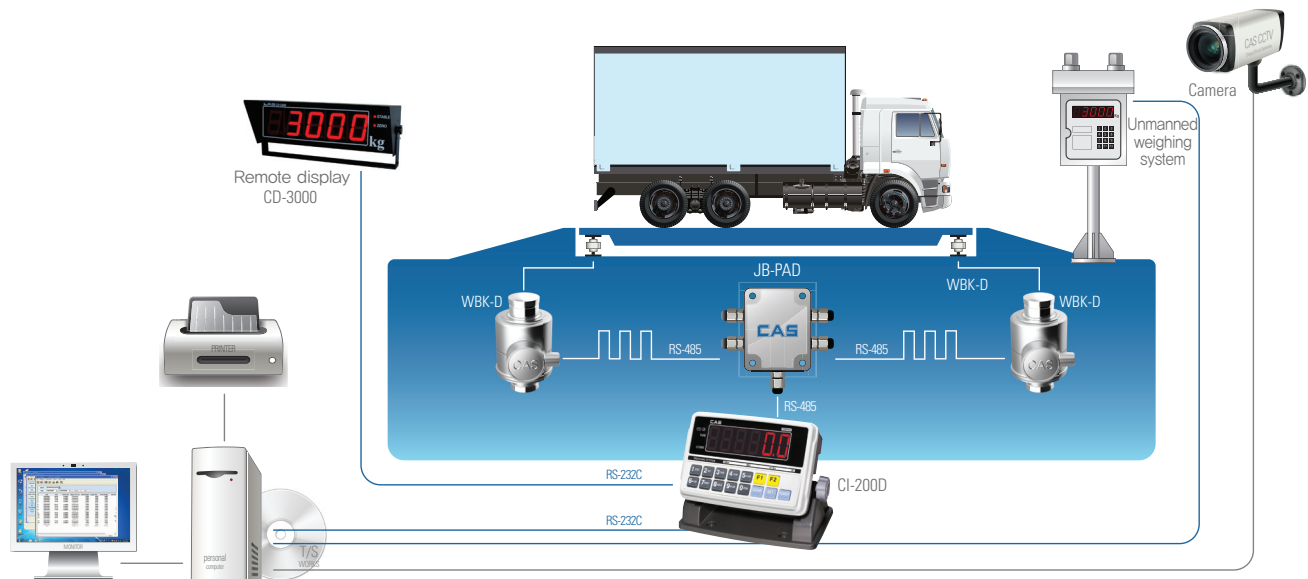
- Diagnosis function
- Real time data analysis of digital loadcell
- Data capture function
- Digital 4 coner compensation
- Simple scale function - multi scale supported



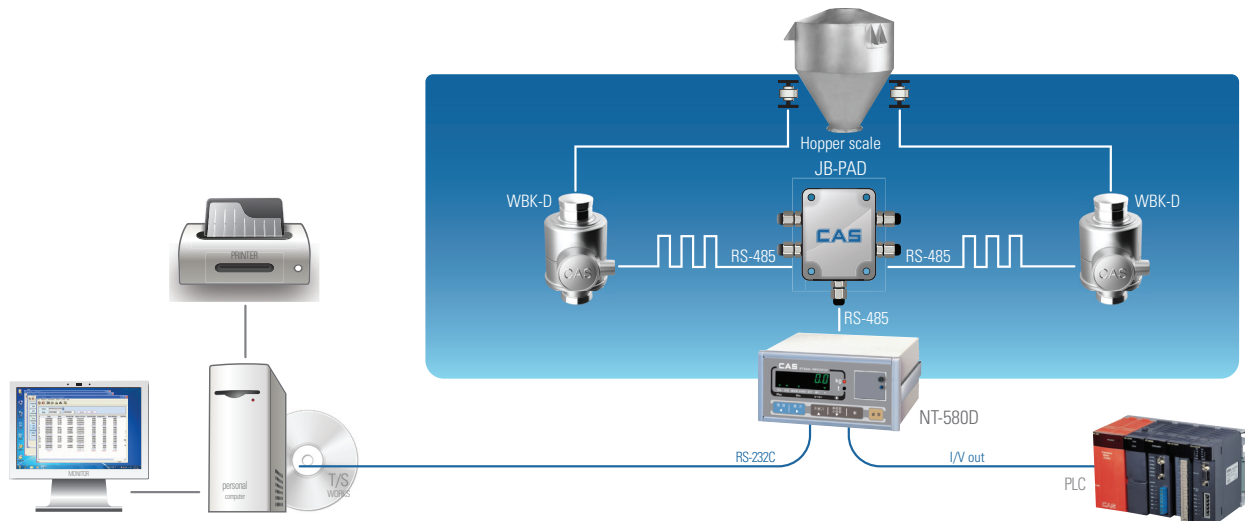
# Digital Compression Load Cell

## Applications

### CASE 1 - Truck scale



### CASE 2 - Tank / Hopper scale



## Digital indicator

- CI-200D
  - Digital Weighing Indicator
  - LED(CI-200D), LCD(CI-201D)
  - Numeric keys
  - RS-232 port : 1EA
  - Diagnosis function
  - Power: DC adaptor and rechargeable battery



- NT-580D
  - Digital Weighing Controller
  - RS-232 Port : 2EA
  - External relay In/output : 6 input / 8 output
  - Diagnosis function
  - Various applications : Platform scale, Truck scale, Hopper scale and Packing scale etc
  - Analog out (option):  
I-out (4~20mA) or V-out (0~10V)

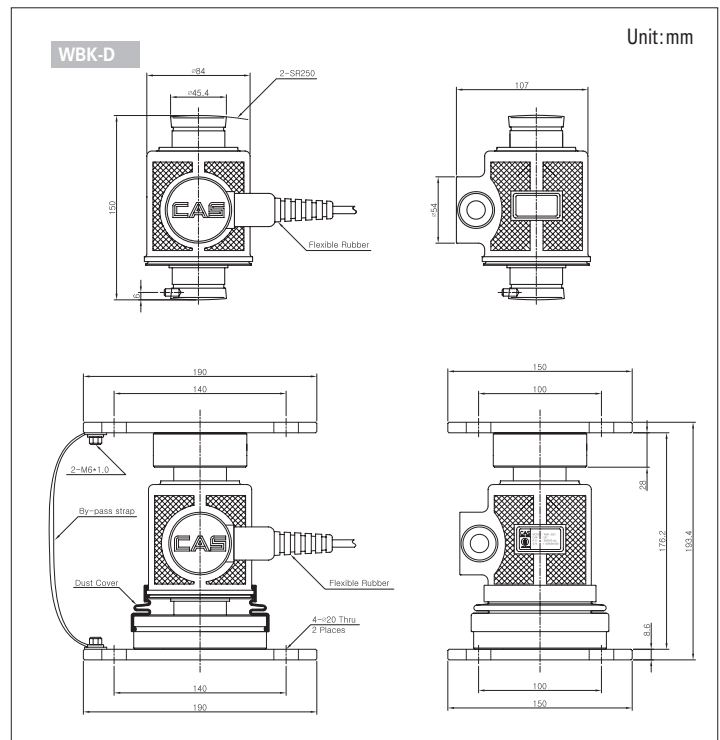


# WBK-D SERIES | Digital Compression Load Cell

## SPECIFICATIONS

Model		WBK-D Series	
Rated Capacity (R.C.)		t	10, 20, 25, 30
Maximum number of verification intervals(n)			5,000
Rated Output (R.O.)		counts	300,000
Zero Balance		counts	±300
Non-Linearity		%R.O.	<0.015
Hysteresis		%R.O.	<0.015
Combined Error		%R.O.	<0.015
Repeatability		%R.O.	<0.01
Creep for 30min		%R.O.	<0.017
Temperature Effect on	Zero Value	%R.O./10°C	0.014
	Output Value	%R.O./10°C	0.011
Compensated Temperature Range		°C	-10 ~ +40
Operating Temperature Range		°C	-30 ~ +60
Excitation Voltage	Minimum	V	6
	Recommended	V	9
	Maximum	V	24
Insulation Resistance		MΩ	2,000
Safety Overload		%R.C.	150
Material			Stainless steel
Protection class			IP68
Communication			RS485(2wire)
Communication Rate		kbit/sec	19.2
Maximum Transmission Cable Length		m	1,000
Warm-up Time from Cold Start		minutes	15
Asynchronous Interface Baudrate		Baud	9,600 ~ 115,200
Number of bus addresses			Max.32
Weight (G) with cable, approx.		kg	2.8

## DIMENSIONS



## ACCESSORY FEATURES

- Suitable for Tank and Weighbridge
- Loading & mounting bearing included
- Safe and compact design



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Specifications are subject to change for improvement without prior notice.