

# 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





# 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

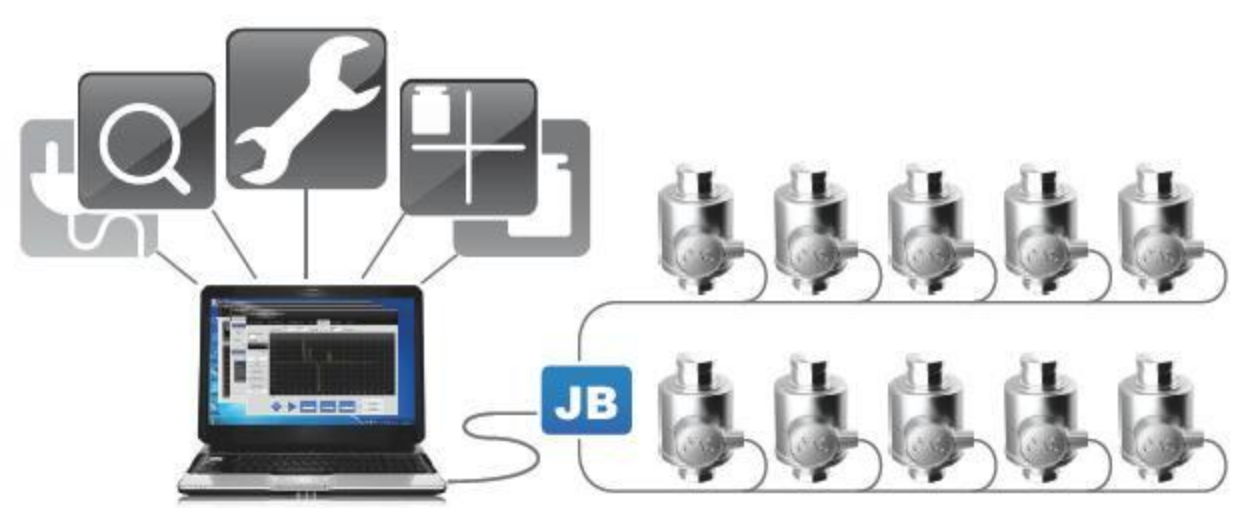
**300,000**

## 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

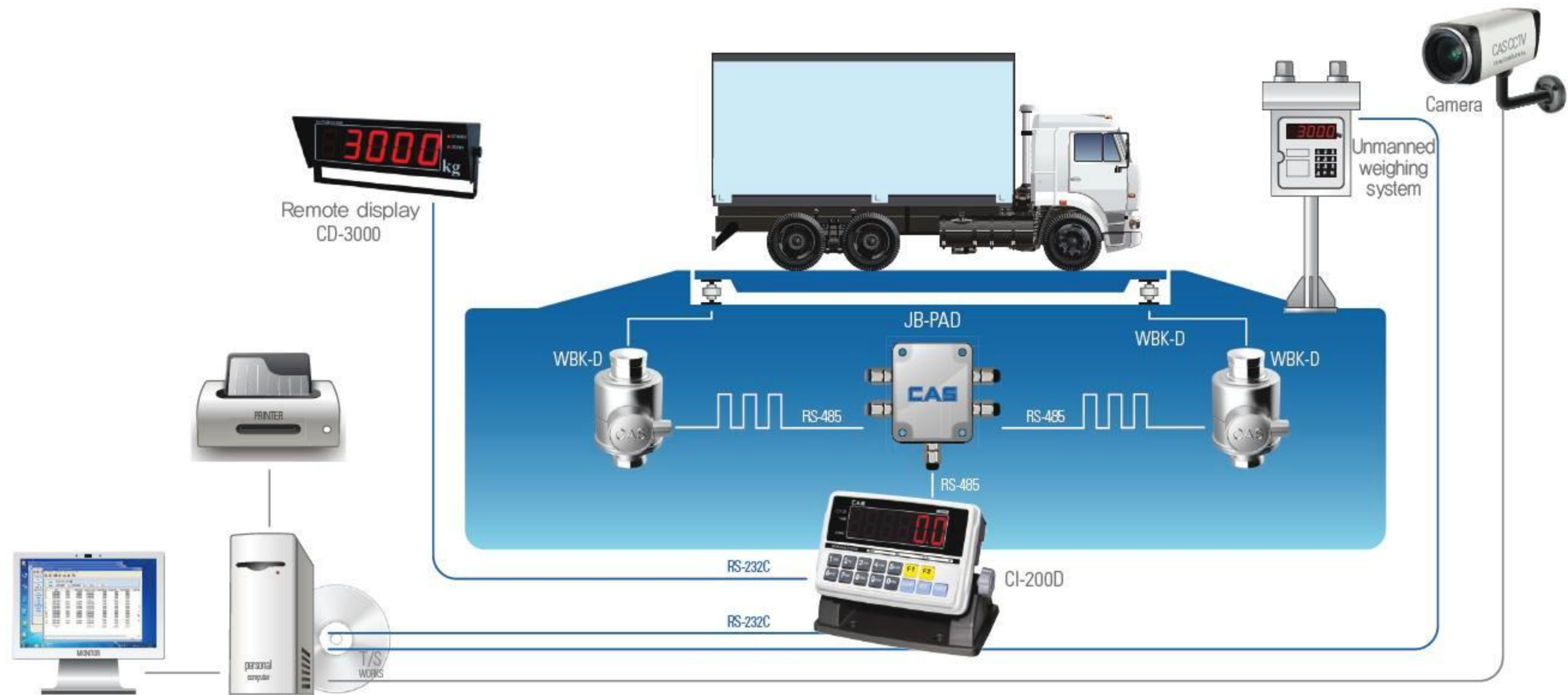




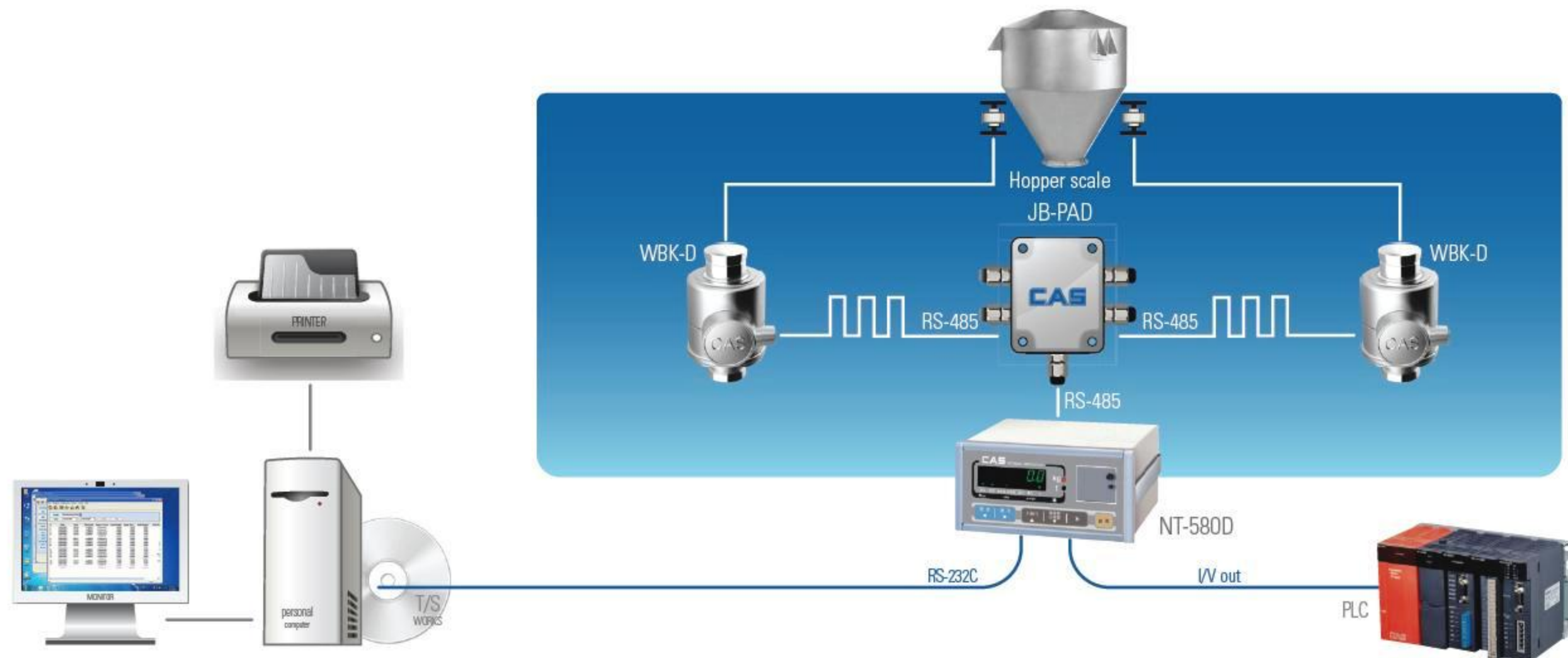
# Digital Compression Load Cell

## 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)



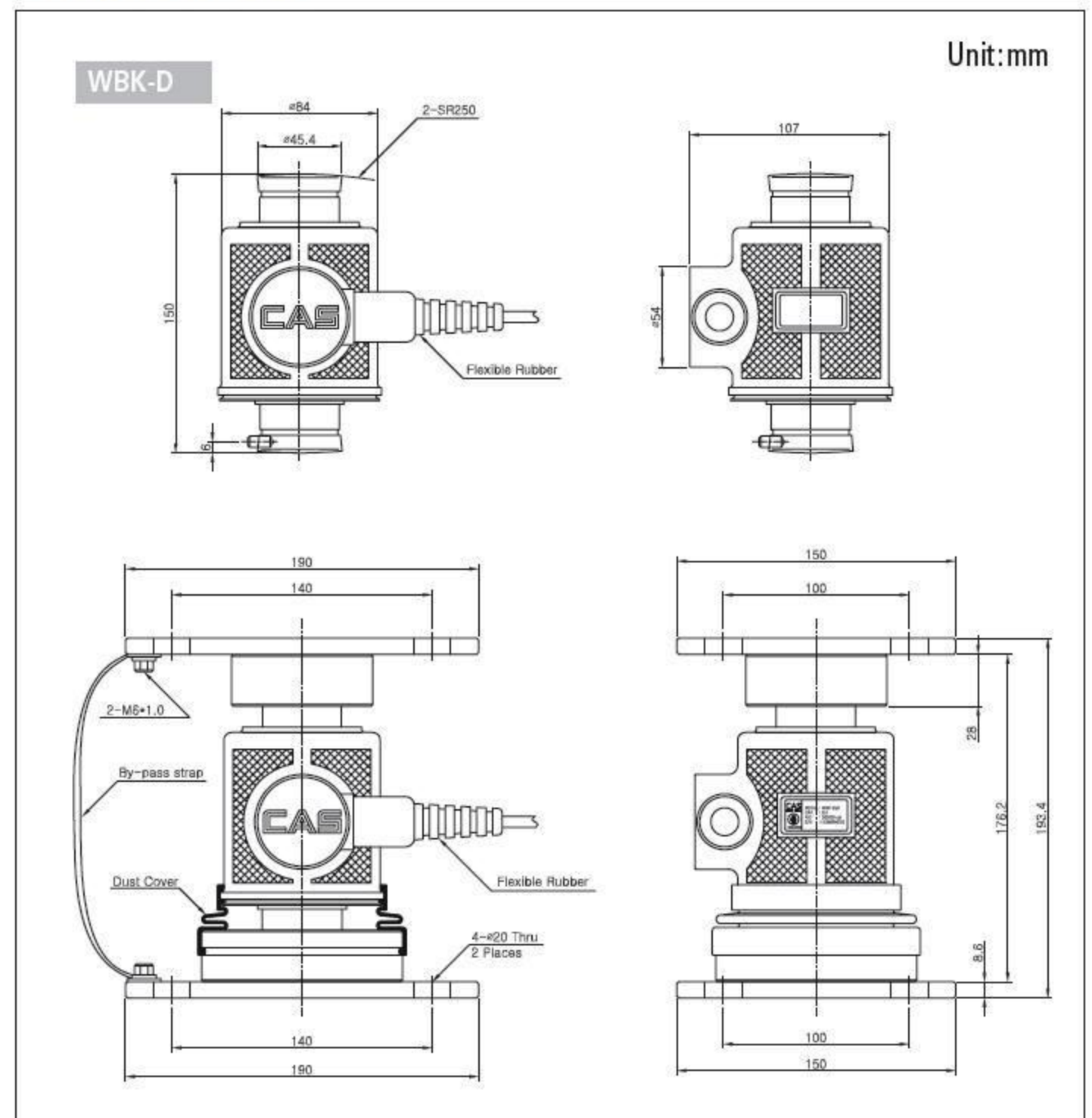


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## SPECIFICATIONS

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.