

Onboard Over Load Controller System



Onboard Over Load Controller System measures the weight while loading material in the Tipper or Dumper Bucket. The load capturing Accuracy depends on the loading angle of the truck.

Normally the accuracy of load will vary between $\pm 5\%$ to 8% of Full-scale bucket Capacity. Accuracy will be better if the truck always carries load above 70% of Capacity

SPECIFICATION

Model	On Board Over Controller (OBLC)
CPU	High Speed 16 bit CPU
Memory	3000 trips data storage
Report	USB Port for thumb drive
Display	2x16 character LCD alphanumeric display
Input	Deformation Sensors CAN Out-put
Communication	RS232,CAN Bus for Interface to LED Lights/ GPRS
Keypad	User friendly 4 keys provided
Operating voltage	24V DC/0.5 A(12-36 Vdc)
Accuracy	$\pm 5\%$ to 8% Full Scale Cap. of Dumper/Tipper
Resolution	100 kg
Target load	User Settable for Over Load Alarm
Operating temperature	-25°C to $+70^{\circ}\text{C}$
Storage temperature	-40°C to $+70^{\circ}\text{C}$
Mounting type(Indicator)	DIN Mount/Table top (LxBxH – 189x60x50)mm

1. Dashboard Display



2. Typical Load Stored Report

On Board Load Controller		
29-10-2022 TIME:		16:08
1304		
1 TO:		85
DATE	TIME	T.Wt(T)
08-10-2022	16:05	34.8
08-10-2022	16:18	37.9
09-10-2022	12:56	39.8
09-10-2022	13:25	39.2
09-10-2022	15:14	28.7
09-10-2022	15:56	27.5
09-10-2022	17:03	32.2
09-10-2022	17:46	34.5
09-10-2022	19:04	27.5
09-10-2022	19:29	35
09-10-2022	19:42	34.8
09-10-2022	19:53	33.3
09-10-2022	20:05	32.4
09-10-2022	20:22	29.9
09-10-2022	20:34	33.6
09-10-2022	20:47	29
10-10-2022	07:15	37.7
10-10-2022	07:27	30.5
10-10-2022	07:39	38.7

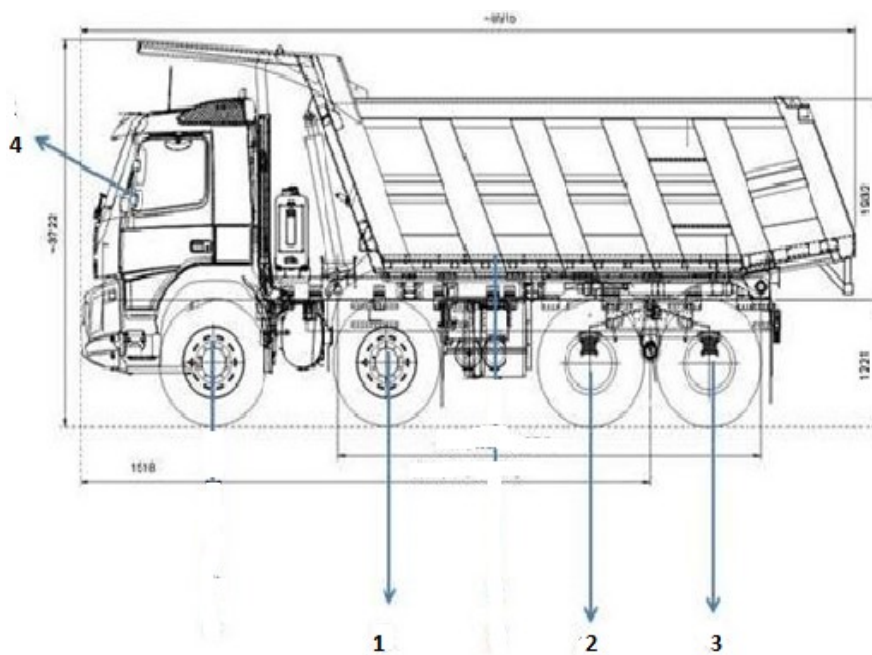
3.Sensors



Deformation Sensor

- Image for representation Purposes only.
- Sensor used can vary based on vehicle to vehicle & application

Typical Positions of Deformation Sensors & OBLC



1- Front Center Axle



2 & 3-- Rear Axle



4 On Board Load Controller