

AXLE LOAD SENSOR

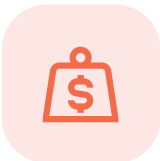
The Bluetooth Axle Load Sensor is used to measure axle load in vehicles with leaf spring suspension and uses the leaf spring deformation (suspension deflection) measurement method. It uses Bluetooth Low Energy technology for efficient data transmission with minimal battery drain and to eliminate the need for complex cable connections. The sensor data can then be used to measure the axle load, track vehicle weight distribution, and identify overloading.



DEVICE FEATURES:



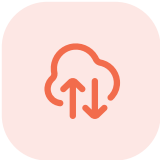
Long range of communication and highly accurate data reading.



Axle Load Sensor can support up to 3 calibration tables at the same time.



The sensor's built-in battery can maintain sensor operation for up to 5 years.



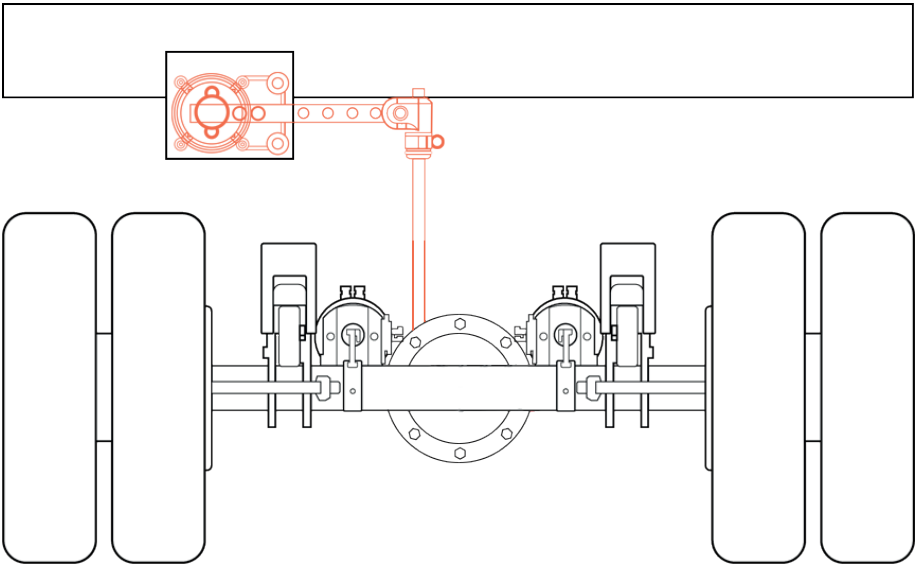
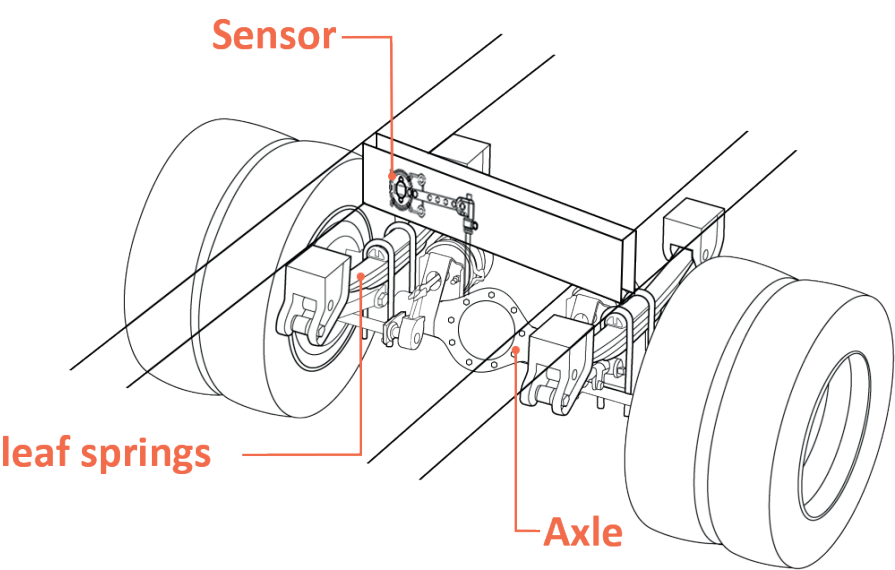
Utilizing BLE technology for data transmission and cable-free installation.



Compatibility with Dolphin Connect Gateway.

TECHNICAL SPECIFICATIONS

Parameter	Features
Power Supply	3.6 V
Operating Time with Internal Battery	5 Years
Transmission Range, up to	200 Meters
Ambient Operating Temperature	-40...+85° Celsius
Measurable Angles, range	-40°...40°
Output Interface	BLE 4.2
Transmission Mode	Advertising Packets
Ingress Protection Rating	IP 67



Smart Axle Load Sensors: Measure axle loads, store calibration tables and vehicle properties, and calculate axle load in tons.

