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TECHNOTON

ADVANCED FUEL TELEMATICS

Axle load sensors

Purpose

Axle load sensors are designed for axle load control and cargo weight measurement in vehicle telematics. Tracking system gets valuable data on location and time of vehicle loading and unloading as well as estimated weight of loaded and transported cargo.



DDE-08 air suspension pressure sensor

DDE-08 axle load sensor is designed for vehicles equipped with air suspension. The sensor is installed in a pipeline rupture or into existing bore in the suspension.

DP-01 axle position sensor



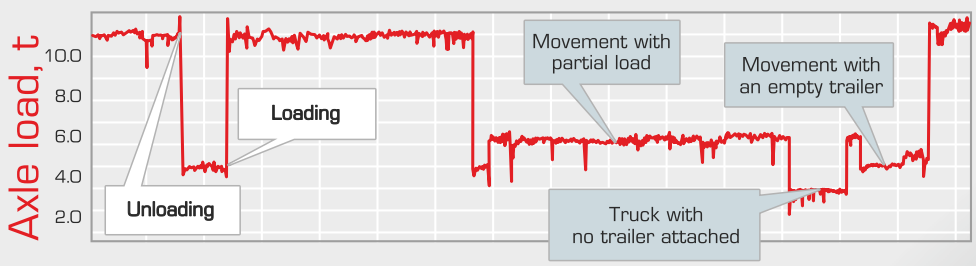
DP-01 axle load sensor is designed for vehicles equipped with spring suspension. System of levers is used when installing the sensor.

Specification

	DDE-08	DP-01
Supply voltage, V	8..32	8..32
Output voltage, V	0.25.. 3.8	1.5 .. 3.5
Operating temperature, °C	-40 ..+80	-40 ..+80
Measurement inaccuracy, not more, %	±2.5	±5
Measured pressure range, MPa	0 – 0.8	–
Thread	M16 x 1.5	–
Output signal	analog, doesn't depend on supply voltage; characteristic – linear	

Application

Axle load sensors detect load increase or decrease and send data to tracker.
Vehicle tracking system determines event location and time via GPS. Fleet operator receives vehicle load info in the form of parameters and diagrams.



Cargo weight control

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