

Axle Transducer On-Board Weighing Systems



FEATURES

- Up to 2% accuracy
- Gross/Net weight displayed with no driver interaction
- Axle group weight displayed with no driver interaction
- Quick and easy installation
- Self-diagnostic
- Two-step calibration

OPTIONS

- Printer
- Relay board
- Hand held remote

DESCRIPTION

The Axle Transducer differential housing mounted scale is designed to provide gross vehicle weight, net payload weight and axle group weights. This information is used in avoiding overload fines, choosing disposal sites, and reducing truck maintenance and liability.

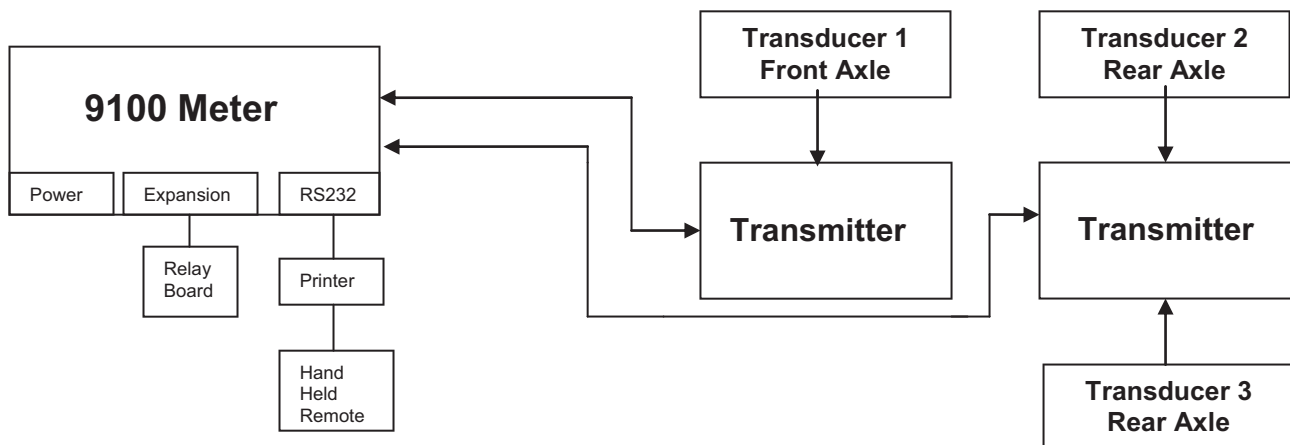
The Axle Transducer system can be installed on all types of trucks, including roll offs and dump trucks. The system is available for single and dual rear axle configurations and can be used with pusher, tag or lift axle. Axle group weights are provided for both the front and rear axle groups. Rear only systems are also available.

By design, the Axle Transducer system does not require disassembly of the vehicle chassis, suspension and/or body for installation.

APPLICATIONS

- Bulk hauling
- Dump truck
- Roll offs
- Waste
- Forestry
- Aggregate
- Agriculture
- Any straight truck

SYSTEM BLOCK DIAGRAM



* 3 point system is shown

* Also available for drive axle or steer axle only

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SI Onboard



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SPECIFICATIONS	
PARAMETERS	DESCRIPTION
Accuracy	Up to 2%
Capacity (GVW)	unlimited
Number of load cells	2, 3 or 4
Number of voltage to frequency converters (transmitters)/system	1 or 2
Number of Channels	1 or 2
METER	
Digit Size	.45"
Number of digits	6
Screen Type	LED
Size	6.5" L x 3.2" W x 1.9" D; 1.7 lbs
Divisions	50, 100 (pounds or KG)
Meter operating voltage	11.5 to 16 Vdc @ 400mA
Meter operating temperature	14 °F to 104 °F
Conversion (Frequency to digital)	2 updates/second; approx. 4,000 display counts
Communications	RS232
Memory	64 K byte ROM for operating system and programs
TRANSMITTERS	
Analog input	0.4 mV/V to 1.0 mV/V
Conversion	Voltage to Frequency, 66 kHz/mV
TRANSDUCERS	
Material	17-4 Stainless Steel
Weight	0.8 lbs; 0.36kg
Size	9" L x 1.5" H x 0.25" D
Output	1.6 to 1.75 mV/V @ 7.7 lbs (3.5kg)
Impedance	350 Ω Minimum

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