

# Onboard Load Cell Systems

FOR RIGID,  
STRAIGHT-CHASSIS  
VEHICLES



**RICE LAKE**  
WEIGHING SYSTEMS

800-472-6703  
[www.ricelake.com](http://www.ricelake.com)

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## Accurate, Reliable and Efficient Payload Measurement

Rice Lake onboard scale systems assure optimal and safe use of a truck's payload capacity.

### Optimal Capacity Assurance

Hauling optimal-capacity loads helps ensure profitability and safety, as well as reduces maintenance expenses on springs, brakes and tires, increasing the operating lifetime of the truck and body.

### Operating Safety and Efficiency

Overloaded trucks can increase the possibility of unsafe operating conditions, including truck component failure. With onboard weighing systems, drivers can finish routes faster, safer and more efficiently with full, legal loads.

### Measure Load Increments

Onboard systems accurately measure incremental on-loading (individual loads or batch mixtures) or material off-loaded during split-load deliveries or spreading.

### Onboard Weighing System Kits

Onboard kits are simple to install and are typically configured as four-point or six-point kits. Underbody kits fit all types of straight chassis trucks and body types, including tanks, box vans, flatbeds, and hopper and packer bodies.

### 9700 Series Digital Indicator

- Total gross weight, net payload weight, optional steering axle and drive axle weights
- Cab-mount or environmentally protected external-mount enclosure
- Options: in-cab printer, 10-key pad, remote scoreboard display, Go-Between™ data storage on a flash drive, remote zero and print smash-buttons, GPS modem interface



*Model PL9710 adds printer and data ports, incremental measurement functions and expanded memory capacity*



### Onboard Weighing System Specifications

<b>Load Cells:</b>	Double-ended shear beam load cells with high-shock and overload tolerances
<b>Load Cell Material:</b>	Alloy steel for long-life performance and nickel plated for corrosion resistance
<b>Load Cell Capacities:</b>	<b>Model 115345:</b> 20,000lb dynamic capacity per cell; standard cell <b>Model 117666:</b> 40,000lb dynamic capacity per cell; heavy-duty cell
<b>Communications:</b>	Digital 2-wire communications from transmitter(s) to cab
<b>Transmitter:</b>	Models available for 4 or 6 load sensor systems and single or dual-lead models for dual-channel straight truck configurations
<b>Transmitter Construction:</b>	Encapsulated, stainless steel enclosure
<b>Main Indicator Display:</b>	0.70in high, bright-red LED digits
<b>Message Display:</b>	2 lines x 24 characters per line, backlight, dot-matrix LCD display
<b>Input Power:</b>	11-16 V/DC; 350 mA consumption typical 9-36 V/DC input power optional
<b>PL9700 Display Data:</b>	Gross weight, net weight; axle 1 and axle 2 weight data optional
<b>PL9710 Display Data:</b>	All 9700 displays, load/deliver, push-button zero, print functions
<b>PL9710 Ports:</b>	RS-232C (dual ports), RS-422 (single port), TTL outputs for remote print and zero
<b>Digital Graduations:</b>	10, 20, 50 or 100lb/kg
<b>System Accuracy:</b>	Typically better than $\pm 1\%$ of measured payload
<b>Configuration:</b>	Filter selection; serial port configuring; incremental weighing; cal total net for dual-channel straight truck applications; RF transmitter for remote data feed; in-cab load cell diagnostics

### Additional Straight Truck Onboard Weighing Equipment from Rice Lake

- TradeRoute™ Legal for Trade onboard weighing system
- Straight truck air-ride suspensions
- Rear hinge pivot load pins

Your Rice Lake Weighing Systems distributor is:

**RICE LAKE**  
WEIGHING SYSTEMS

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