

PRECISION BEAM™

ONBOARD SCALE KITS FOR
TRAILER SUSPENSIONS



RICE LAKE®
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com

PRECISIONBEAM™

ONBOARD SCALE KITS FOR TRAILER SUSPENSIONS

Precision Onboard Weighing Solutions

Rice Lake Weighing Systems' high-accuracy trailer half-kits are designed for onboard scale mounts in equalizing suspension center hangers. The kits can be clamped to single-point suspension trunnions, or used in sub-frame mounts between trailer frames and suspension sub-frames. Rice Lake kits use time-proven PRECISIONBEAM load cells, precision-machined, welded down bearing plates and plated, Grade 8 mounting hardware. Rice Lake load cells are nickel-plated and have a molded nylon output connector cable, ensuring complete environmental protection.

Rice Lake trailer suspension kits are typically used with a variety of tractor fifth wheels, kingpin plate or landing gear equipment. Pressure transducers are also available for air-ride suspensions for both tractors and trailers.



Equalizing suspension center hanger load cells



Trailer suspension subframe mounts



Single-point trunnion clamp cells



Air-ride tractor-trailer suspensions



Model 9705 in-cab auto ID allows any tractor to couple with any trailer scale



Optional wireless transmit/receive modules eliminate the need for cable between tractor and trailer



Fixed fifth-wheel load cell kit



Kingpin plate load cell kit

Onboard Weighing Systems Features

- Automatic identification of any truck with any trailer for complete trailer interchangeability
- Digital, two-wire weight data communications from trailer and tractor load cells for high reliability under rough environmental conditions
- Self-contained trailer scale kit options
- Environmentally sealed (encapsulated) radio and two-wire scale transmitter components
- Plug-in system components with hardened, corrosion-proof nylon connectors
- Multiple channel selection for one, two, three and four independent channel operation
- Bright LED weight display over a backlit LCD message display
- Any combination of half-system kits configurable for air-ride or spring-ride suspensions

Onboard Scale Trailer Kit Specifications

Standard Models: Contact factory for model numbers and additional specifications.

Standard Configurations: Air-ride, equalizing tandem and tri-axle, single point clamp cell, suspension sub-frame, kingpin plate load cell kits

Load Cells: Double-ended shear beams or bending beams in a variety of capacities/dimensions

Protection: Hard nickel plating and molded nylon connectors

Digital Indicator: Red, 0.7-inch LED weight display over a 2 x 24 line backlit LCD message screen. Optional selection of one, two, three or four scale input channels

Transmitter(s): Encapsulated and environmentally sealed, stainless steel housing, hard nylon connectors

System Communications: Two-wire digital cabling between tractor and trailer transmitters and indicator

Programming: Trailer auto ID for trailer interchangeability; dual RS-232 ports for RF, printer or Go-Between™ connections

Data Transmission radio: 2.4 GHz technology

System Accuracy: Better than ±1.0 percent of full scale capacity

Power: 11-16 Vdc (9-30 Vdc optional)

Options:

- In-cab printer
- Go-Between for USB data transfer to flash drive
- Wireless link between tractor and trailer
- Wireless link from tractor to bay receiver
- Bay selection program

Your Rice Lake Weighing Systems distributor is:

RICE LAKE
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