

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
WEIGHING SYSTEMS

230 W. Coleman St. • Rice Lake, WI 54868 • USA
TEL: 715-234-9171 • FAX: 715-234-6967 • www.ricelake.com

An ISO registered company © 2015 Rice Lake Weighing Systems PN 171396 8/15
Specifications subject to change without notice.