

# *Heavy Duty Portable Vehicle Scales*

*PVS and PES Series*



*Fully Portable—Low Profile  
Rugged Parallel Link Suspension System  
Mechanical and Electronic Models*

**DURLINE**  
**SCALES**

AND MANUFACTURING, INC.

*The World's Most Durable Scales*

## PVS and PES Series Truck Scales

Durline's Portable Vehicle Scales are built with strength, convenience, and versatility in mind.



All Durline Scales are designed for longevity, and our Portable Vehicle Scales are no exception! We use only heavy-duty premium steel in the scales' construction. Weighbridges on our portable scales are meticulously constructed of heavy wide flange I-beams and beam cross-members. Heavy 3/8" diamond plating is a standard feature. These scales are designed to handle loads well above their rated capacity to take the punishment that portable vehicle scales must endure.

Our scales are shipped completely pre-assembled with all components protected within a rugged frame. Our special rust-prohibitive paint protects your scale under the harshest environmental conditions.

### Mechanical Portable Scales

Durline's Portable Mechanical Scales (PVS Series) have an overall height of only 28". Our PVS Series scales are constructed with a sturdy fabricated lever system and precision machined pivots and bearings to provide years of dependable weighing.

A 3' transverse lever for single load cell electronic weighing is standard. Using one cell (available for scales 35' and shorter) is an important feature when battery life is a consideration, such as in remote areas. Naturally, a 9' transverse lever is available for mechanical beam and/or electronic weighing.

### Fully Electronic Portable Scales

Durline's Portable Electronic Scales (PES Series) have an overall height of merely 26". Our PES Series scales utilize technologically advanced NTEP certified stainless steel double-ended shear beam load cells. The stainless steel Nema-4 summing box houses a signal trimming summing card with factory-equipped surge voltage protection

## Proven Parallel-Link Suspension System

All of Durline's Portable Vehicle Scales incorporate our parallel-link suspension system, which is manufactured using high quality tool steel and hardened parts. This system provides the scale with a "live deck" which absorbs shock and prevents scale freeze-ups and gravel or debris build-up.

Our proven parallel-link suspension system absorbs shock loading better than any other suspension system available. There are no roller ball bearings to go flat, resulting in greater durability and less frequent maintenance.

Rotatable trunion pins are standard on every Portable Vehicle Scale, providing a much longer life of the wear parts.



*Conveniently located side and end bumper checking mechanism dampens motion in the deck and protects it from shock..*

## Engineered for Accuracy

Durline's Portable Vehicle Scales are engineered and fabricated to be accurate within 0.1% when combined with type-approved indication, certification and installation requirements. Parts are precision machined, properly hardened, and tested using craftsmanship long overlooked by other manufacturers.

## Heavy-Duty Bumper Checking System

Durline's conveniently located heavy-duty bumper checking system features both side and end checking. This unique system dampens motion in the deck and absorbs shock. The bumper checking system also protects against the punishment of heavy truck braking, greatly extending the life of your scale.



*Unique lockdown and lifting mechanism allows for safe and easy portability.*

## Unique Lockdown and Lifting Mechanism

Durline's Portable Vehicle Scales come with an integrated lockdown and lifting mechanism. Once the deck is locked down, access is gained to the lifting chains.

## Standard Specifications

Our Portable Mechanical Scales are NTEP certified for widths ranging from 7'-12' and lengths between 25'-75'.

Durline scales always meet or exceed even the most stringent requirements of the current National Institute of Standards and Technology (NIST).



Durline Scales and Manufacturing, Inc. and the Durline people have been designing, engineering, and producing the world's most durable scales for over four decades. Durline scales are designed for longevity and engineered for years of accurate weighing.



## Options

We can custom design and paint your Portable Vehicle Scale to suit your needs. Our PVS and PES scales can also be custom built to required sizes and capacities exceeding 300,000 lbs.

Welded or bolted bulkheads and gravel retainers (bulkhead wings) are available on both models.

PLATFORM SIZE	GROSS CAP. (lbs.)	MAX. CLC (lbs.)	NUMBER OF SEC.	MODEL NUMBER	
				Mechanical	Electronic
25' X 10'	84,000	56,000	2	PVS25404	PES25404
30' X 10'	84,000	56,000	2	PVS30404	PES30404
35' X 10'	84,000	56,000	2	PVS35504	PES35504
40' X 10'	160,000	66,000	4	PVS40504	PES40504
50' X 10'	160,000	66,000	4	PVST50604	PEST50604
60' X 10'	160,000	66,000	4	PVST60604	PEST60604
70' X 10'	160,000	66,000	4	PVST70604	PEST70604
75' X 10'	160,000	66,000	6	PVST75604	PEST75604

PVS NTEP C.O.C. #97-060  
PES NTEP C.O.C. # pending

*When you buy a Durline, you've bought the best . . .*

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