

# On-Board Scales Solution for Dump Trucks



## Weighing Solutions for Dump Trucks

The Vulcan dump truck scale system is recommended for both on-road and off-road applications. The in-cab V320 meter displays gross vehicle or net payload weights and alerts the driver to unsafe or overloaded situations. Rugged shear pin load cells in the rear hinge assembly and a hydraulic pressure sensor for the front lift cylinder provide the necessary information to optimize your load. (Typical accuracy is  $\pm 1\%$  of GVW.)

## Proprietary EDOC-Plated Load Cells

Our load cells are a Zn-Ni alloy plated base layer with a proprietary EDOC top layer for increased rust protection. EDOC is suited to a wide variety of weighing products and specialist applications in almost any environment involving highly corrosive substances, heavy wash-down, extreme dust, or electrolytic phenomena.

## Key Features:

- Made from high strength, heat treated alloy steel
- Zn-Ni Alloy base plated for increased rust protection—adheres to ASM 2417
- Completely sealed, internal electronics
- Extremely reliable in the harshest environments
- Full twist compensation provides the highest accuracy
- EDOC (Electrodeposited Organic Coating)—passed ASTM B-117 1000-hour salt spray
- Meets IP66/68



## Benefits:

- Increase Profits — Eliminate Overweight Fines
- Reduce Loading and Adjustment Time
- Increase Safety — Avoid Liability
- Reduce Maintenance — Increase Vehicle Life
- INCREASE YOUR PROFIT BY MAXIMIZING EVERY LOAD

## Applications:

- Forestry/logging
- Bulk hauling
- Aggregate
- Agriculture
- Refuse

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## Proprietary EDOC Coating

### Robust

Superior Protection in harsh environments (compared with zinc-nickel)

Better Corrosion resistance

Cannot be easily removed or scratched

Multi-layer protection

### Assured

Vulcan's high Accuracy and reliability, with even stronger resilience, for more peace of mind

Multi-layer protection over fully sealed load cell, with IP68 rating

Environmentally friendly coating process

### Proven

Verified anti-corrosion performance

Already used in 50,000+ machines with top performance

No corrosion after 1000-hour salt fog test (by external lab)

Zero defects in over 15 years

## Specifications



Components	Direct Weigh	Direct Weigh	Indirect Weigh
V320 / V340 / V600 Meter	X	X	X
Sheer Pins - Rear Hinge	X	X	
Sheer Pin - Front Hoist	X		
Vulcoder (2-, 3-, 4-lead)	X	X	X
Hydraulic Sensor - Front Hoist		X	
Front Axle Transducer			X
Rear Axle Transducer			X

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