



**HQ Scales, Inc**  
measurement in motion

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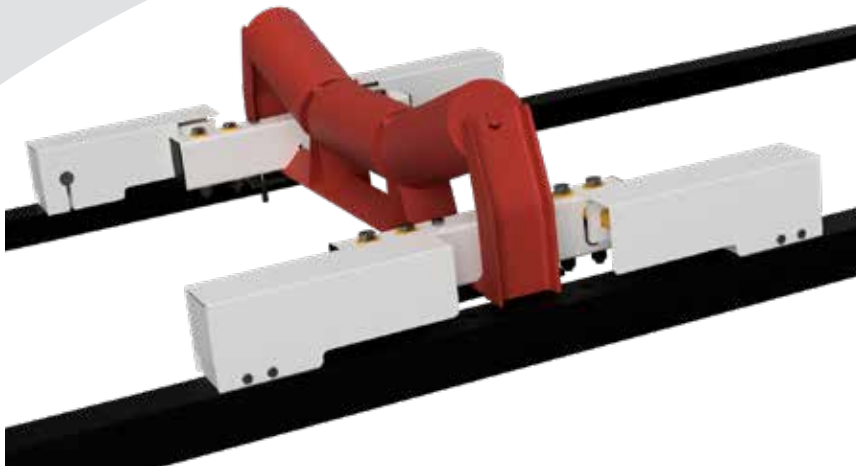
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# QUAD HEAVY DUTY SCALE

## BUILT IN LEVELING

- Stationary Conveyors with Standard Idlers
- 4 OIML load cell floating design
- Heavy Duty Applications



## APPLICATIONS

- Production
- Inventory
- Loadout
- Flow Rate Monitoring
- Truck & Rail Car Loading

## MACHINE TYPES

- Overland Conveyors
- Stationary Conveyors



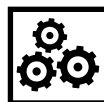
### ACCURACY

+/- 1% at 20-100% of Scale Capacity (dual idler scales available for higher accuracy requirements)



### RELIABILITY

Rugged Hardware and Software



### EASE OF USE

Simple User Interface & WIFI Webpage

# QUAD HEAVY DUTY SCALE SPECS

## PWT1000 INTEGRATOR:

Power	12-24 VDC, 650 amp OR 110 VAC, 150 amp
Enclosure Dimensions	8 x 8 x 4 inches
Protection Class	IP 67 & Nema 4X equivalent
Operating Temperature	-40 to 65 Degrees Celsius
Overlay Keypad	Tactile, Embossed buttons
Display	2.42 inch OLED
Sensor Inputs	up to 4 Load Cells 1 Speed Sensor 1 Angle Sensor
Ethernet Port	WIFI, Modbus TCP, HQ Webpage
RS-485 Port	Scoreboard Display Compatible
Accessory Power Out	12-24VDC Power Out
Optional	IO Board: 2 analog outputs 2 digital outputs

## WEIGHBRIDGE:

Load Cell Assemblies	Built-in Leveling Design with four OIML load cells
Capacities	60kg, 100kg, 200kg, or 350kg
Rated Output	2.0 mV/V +/-5%
Cable	50 ft
Output Impedance	350 Ohm
Input Impedance	410 Ohm
Load Cell Operating Temperature	-30 to 60 Degrees Celsius
Protection Class	IP66 / IP67
Wiring	Red (EXC+) Black (EXC-) Green (SIG+) White (SIG-)



Connect to the HQ Webpage!



## SPEED SENSOR:

Cable	50 ft
Pulses per Revolution	10 Pulses
Wheel Diameter	6 inches
Voltage	5 - 24 VDC
Material	Anodized Aluminum, Powder Coated Steel, Cast Iron Wheel
Wiring	Red (+5V) Black (GND) White (SIG)
Sensor Type	Hall Effect Proximity
Operating Temperature	-40 to 65 Degrees Celsius

## APPLICATION RANGES:

Load Cell Capacity	TPH Range *	FPM Range *	Expected Accuracy
4 x 60 kg	50 - 450	100 - 500	+/- 1% at 20-100% of scale capacity
4 x 100 kg	450 - 800	250 - 750	+/- 1% at 20-100% of scale capacity
4 x 200 kg	800 - 3000	300 - 1500	+/- 1% at 20-100% of scale capacity
4 x 350 kg	800 - 8000	350 - 2000	+/- 1% at 20-100% of scale capacity

\*This chart is a general guideline. If your application range falls outside the ranges listed above, please contact sales at HQ Scales! We can help pinpoint the best scale capacity for your specific application.