



LOADRITE L3180

SMART SCALE FOR WHEEL LOADERS

When the pressure is on and customers are waiting, you need to perform faster without compromising accuracy and precision. The Trimble® LOADRITE® L3180 SmartScale for loaders adjusts for rough terrain, technique, and movement so new and skilled operators can load with greater accuracy, precision and speed.

A SmartScale is the next generation of onboard weighing that uses artificial intelligence for more accurate, precise and faster loading. It also connects machines and devices for the collection and syncing of loading data.

System Components	
SENSORS	2 x LR970 (boom angle and ground slope compensation)
PRESSURE TRANSDUCERS	2 x LC985
REMOTE BUTTON INPUTS	2

Weighing Functions	
DYNAMIC WEIGHING	Yes
GROUND SLOPE COMPENSATION	Included
SPLIT FUNCTION	Yes
TARGET WEIGHING MODE	Yes
OVER TARGET WARNING	Yes
ZERO FUNCTION	Yes
UNDO FUNCTION	Yes
AUTO-ADD FUNCTION	Yes

Data/Metrics Functions	
PRODUCT NAMES	100
CUSTOMER NAMES	100
PRODUCTIVITY METRICS	Yes, ton/hr, ton, # of trucks (requires InsightHQ)
PERFORMANCE METRICS	Yes, loading performance and loading availability (requires optional InsightHQ)
IN CAB KPI REPORTING	Yes

Key Features

- ▶ Weighing artificial intelligence adjusts for rough terrain, technique, and machine movement
- ▶ 40% more precise loading (than previous LOADRITE scales)
- ▶ In-cab performance and production KPIs/metrics
- ▶ Built-in WiFi and GPS



LOADRITE L3180 SMARTSCALE

Connected Functions (with optional InsightHQ)	
WIFI CONNECTIVITY	Yes
LOCATION AND DISTANCE TRAVELLED (VIA GPS)	Yes
ETICKETS (EMAIL REPORT)	Yes
PRODUCTIVITY METRICS	Yes (Ton/hr, ton, # of trucks)
PERFORMANCE METRICS	Yes (Loading accuracy)
LOADING PERFORMANCE HEATMAP	Yes

STORAGE TEMPERATURE	-50°C to 100°C (-58°F to 212°F)
ENVIRONMENTAL PROTECTION	Indicator protected to IP54 Trigger and pressure transducers protected to IP69K

Other Information	
SUPPORTED LANGUAGES	English, French, German, Spanish, Br. Portuguese
WARRANTY	3 years parts and 1 year labor

Power Requirements	
SUPPLY VOLTAGE	12 or 24V DC vehicular supply
CURRENT CONSUMPTION	500 mA at 12VDC, 300 mA at 24VDC; 20 mA standby; 1 A maximum
POWER SUPPLY PROTECTION	ISO16750

Physical Specification	
DISPLAY	5.7 in TFT touch screen; 640 x 480 pixels VGA
WEIGHT	1.3 kg (2.9 lbs) without bracket
DIMENSIONS	W166 x L270 x D81 mm (6.5 x 10.6 x 3.2 in)

Environmental Specification	
OPERATING TEMPERATURE	-10°C to 50°C (14°F to 122°F)

YOUR TRIMBLE LOADRITE PROVIDER

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