



LOADRITE C2850

CONVEYOR BELT SCALES

The Trimble® LOADRITE® C2850 is an advanced conveyor belt weighing system best suited for mobile plants like crushers, screens and stackers. It couples highly accurate weighing with modern data communication capabilities and superior information management solutions.

The integrator is a microprocessor, which processes the sensor signals from the load cells and the speed wheel into operating data for continuous weighing and flow measurement. It is modelled on the popular LOADRITE onboard scales keypad style. The alphanumeric display shows all the information needed without any key strokes. Backlit keys and screen enable operators to use the integrator in low light operations. The integrator can easily be mounted inside the control cabinet of mobile crusher, screen or stacker. The C2850 integrator and systems are easy to install, commission, operate and maintain. One integrator can monitor two different conveyor belts.

The C2850 systems are supplied with integrator, speed wheel, scale frame assembly and basic set of cables.

FEATURES

- ▶ Total and rate display
- ▶ Dual conveyor weighing (two physical and one virtual display)
- ▶ Virtual conveyor display (eg scale 1 + scale 2 = virtual scale 3)
- ▶ Dual idler weighing
- ▶ Tracking of nine products
- ▶ Three totalizers per scale (day, week, month or shift, day, week etc)
- ▶ Data field
- ▶ Optional volumetric measurements display
- ▶ Auto zero function
- ▶ On-scale reporting (with optional printer)
- ▶ Alarm for diagnostic error

ACCESSORIES:

- ▶ Printer
- ▶ Angle sensor
- ▶ Radio modem
- ▶ Cellular modem
- ▶ WiFi modem
- ▶ Ethernet device server
- ▶ Remote display
- ▶ Scoreboard / remote display

Benefits

- ▶ Accurate production measurement
- ▶ Suitable for mobile machines
- ▶ InsightHQ reporting option
- ▶ Suitable for a wide range of belts



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System Components

Display	C2850
Speed sensor	Speed wheel
Load cells	250 kg
Scale frame assembly	Two options (F1, F2)
Cables	1 m/3.3 ft power control cable, 10 m (33 ft) amplifier to indicator cable

Power Requirements

Supply voltage	12 ~ 32V DC
Current consumption	160 mA typical 350 mA max. 3A max with LP950 printer

Physical Specification

Display	3.8 inch (diagonal) QVGA
Weight	1.5 kg (3.3 lbs)
Dimensions	W145 x L240 x D110 mm (5.7 x 9.4 x 4.3 in)

Environmental Specification

Operating temperature	-10°C to 50°C (14°F to 122°F)
Storage temperature	-50°C to 100°C (-58°F to 212°F)
Environmental protection	Indicator protected to IP54

Other information

Supported languages	English, French, Spanish, German, Portuguese, Swedish, Italian
Warranty	1 year parts & labor

YOUR TRIMBLE LOADRITE PROVIDER

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