



# LOADRITE C2880

## CONVEYOR BELT SCALES

The Trimble® LOADRITE® C2880 is an advanced conveyor belt weighing system for the demanding requirements of a modern quarry. It couples highly accurate weighing with state-of-the-art 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 on up to 4 scales 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. The indicator is mounted in an IP65 enclosure for environmental protection. The C2880 integrator and systems are easy to install, commission, operate and maintain. One integrator can monitor four different conveyor belts.

The C2880 systems are supplied with integrator, speed wheel, scale frame assembly and basic set of cables.

### Key Features

- ▶ Accurate production measurement
- ▶ Multiple scale inputs
- ▶ InsightHQ reporting option
- ▶ Suitable for a wide range of belts

### FEATURES

- ▶ Dynamic weighing
- ▶ Total and rate display
- ▶ Optional volumetric measurements display
- ▶ Tracking of nine products
- ▶ Dual idler weighing
- ▶ 4-Conveyor weighing
- ▶ Remote zero and Clear function
- ▶ Auto zero function
- ▶ Three totalizers per scale (day, week, month or shift, day, week etc)
- ▶ On-scale reporting (with printer)
- ▶ Alarm for diagnostic error
- ▶ Virtual conveyor display

### ACCESSORIES

- ▶ Printer
- ▶ Angle Sensor
- ▶ Radio Modem
- ▶ Cellular Modem
- ▶ Programmable 0-20mA or 4-20mA output module
- ▶ Digital output (total)
- ▶ WiFi Modem
- ▶ Ethernet device server
- ▶ Remote display
- ▶ Modbus TCP output



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## System Components

Display	C2880
Speed sensor	Speed wheel
Load cells	60, 150, 250 or 500 kg
Scale frame assembly	Two options (F1, F3)

## Power Requirements

Supply voltage	88 ~ 264V AC
Current consumption	800 mA max @ 230 V AC 3 A max with LP950 printer

## Physical Specification

Display	3.8 inch (diagonal) QVGA
Weight	8.4 kg (18.5 lbs)
Dimensions	W280 x L360 x D169 mm (11 x 14.4 x 6.7 in)

## Environmental Specification

Operating temperature	-10°C to 50°C (14°F to 122°F)
Storage temperature	-20°C to 70°C (-4°F to 158°F)
Environmental protection	Indicator protected to IP65

## Other Information

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



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