

Model 6101T Belt Scale Integrator



Features

- 4-line touchscreen display
- Four modes of calibration, R-Cal, Static Weights, Cal Chains and Material Test
- Auto zero and span calibration
- Auto zero tracking
- Diagnostics menu
- User definable built in alarms
- Plug-in communications boards
- User friendly setup and calibration menus
- Easily retrofits onto existing load cell based belt scale systems
- Field mount NEMA-4X enclosure with easy latches



The Bulk Pro Systems Model 6101T belt scale integrator is used in conjunction with all Bulk Pro Systems models of conveyor belt scales. When incorporated with a belt scale carriage and belt scale speed sensor the 6101T belt scale integrator provides a reliable rate, total and user definable belt speed or belt loading to plant personnel.

The 6101T Belt Scale Integrator provides an analog output for rate and pulse output for totalization that can be sent to the user's control system. Eight digital inputs and digital outputs are supplied for belt run, reset total, alarm reset, user definable alarms, totalizer, failure and conveyor start functions. Optional digital communications protocols can be provided by adding a plug-in style board.

The 6101T Belt Scale Integrator can be easily retrofitted onto an existing load cell based belt scale carriages with up to six (6) load cells. Allowing end users to upgrade to the latest technology.

Bulk Pro Systems Model 6101T Belt Scale Integrator has been proven to be a valuable weighing instrument throughout the world since its inception. It is a valuable tool that can increase production and technology throughout all Bulk Material Handling industries.



SPECIFICATIONS

6101T Series Integrator

- Enclosure, Field mount:
 - Outline dimensions:
15.75x13.746" (400x333x189.5mm)
- Mounting hole dimensions:
 - Cut by end user
- Temperature Rating:
 - Operating: -14 to 122°F (-10 to 50 °C)
 - Storage: -40 to 158°F (-40 to 70 °C)
- Power Requirements:
 - 120/220 VAC $\pm 10\%$, Jumper Selectable
- Display Resolution:
 - Touch Screen 800 x 480 pixels, 65K Full Color, 7.0 Inches, LED
- Keypad:
 - Touch Screen Keypad
- Measurement Unit:
 - Tons, Long Tons, Metric Tons, kg & Lbs
- Memory;
 - FRAM memory, data retention when power is interrupted or disconnected.
- Accuracy / Non-Linearity;
 - Less than 0.01% of net for load ranging from 0% to 105% of full scale.
- Circuit Construction;
 - 32-bit RAM Microprocessor, with built-in watchdog preventing system halt, 24-bit A/D converter, real-time clock system.
- 8 programmable open collector outputs, alarms and failure
- 8 programmable open collector inputs, batch, belt run, reset total, reset alarms, auto 0 and print
- Analog 4-20mA Output & Pulse Output
- Expansion Slots, 2 for optional communications
- Shipping weight:
 - Field Mount, 25lbs (11.3 Kg)

Outline and Mounting Dimensions

