

FAIRBANKS®

S C A L E S



FB6000 SERIES

INSTRUMENTS FOR FILLING AND BATCHING APPLICATIONS

High performance, user-friendly setpoint instruments used in conjunction with a truck or rail scale to control on-scale filling operations, or with a floor, tank or bench scale in industrial filling and batching applications.

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Accurate weighing processes using setpoint controls.

The FB6000 Series Instruments for process control are ideal for on-scale truck filling at grain, aggregate, asphalt or cement facilities, and for manual or automatic industrial filling in conjunction with Fairbanks floor, tank or hopper scales. These rugged instruments feature five relay operation modes, (including Manual Batch and Auto Batch), three weighing operation modes

(Inbound/Outbound, Basic In/Out and GTN), three stainless steel enclosure styles suitable for wall, desktop, panel or rack mounting, and choice of analog or Intalogix® (digital) load cell communication. FB6000 instruments are approved for all commercial weighing applications and are completely durable in hostile environments, wet or dry.

Panel Mount Enclosure



Rack Mount Enclosure



Stainless steel and stainless/powder coated enclosures

Bright red, 16-segment LED with adjustable intensity

Raised keys provide tactile feedback and audible notification when pressed

Desktop / Wall Mount Enclosure



Relay control keys

Front panel navigation keys

Full numeric keypad with oversized keys

Approvals



Function Key Features *(See callouts above)*

- 1 TRAFFIC LIGHT CONTROLS** — Complete manual traffic light control at the touch of a key.
- 2 ID** — Create product IDs up to six-digits in length. Choice of numeric or alphanumeric.
- 3 IN / OUT** — Obtain the Net weight of an incoming/outgoing vehicle by capturing its Gross and Tare values.

- 4 FUNC** — Access special operation modes by pressing the function key and number assigned to the desired mode.
- 5 UNITS** — Four selectable units of measure:
 - Pounds • Kilograms • Tons • Tonnes
- 6 TARE** — Use to accept the displayed weight as the transaction Tare value.

- 7 B/G / NET** — One-push selection from Gross weight to Net weight.
- 8 ZERO** — Quickly “zero off” weight on the scale.
- 9 PRINT** — Initiates basic print function.

Intalogix® Technology: Digital at its Best

Intalogix® is a proprietary technology developed by Fairbanks to enhance scale performance through continuous, high-speed, load cell diagnostics. Intalogix® works by converting an analog load cell signal to a stronger, more reliable digital interface. Regardless of

the nature of an application, Intalogix® allows users to operate with an unsurpassed degree of resolution and accuracy. No other technology on today's market comes close to achieving the digital advantages and lightning/surge protection of Intalogix®.



The FB6000 Series Instrument simplifies operations by controlling both truck weighing and truck filling operations, as well as transmitting/storing transaction data and printing custom tickets.



The FB6000 Series Instrument is ideal for manual, automatic, and repetitive setpoint filling operations.

With Fairbanks FB6000 Series Instruments, you don't have to pay for expensive features that are not applicable to your business. Fairbanks has taken the essential instrument functions used in process control weighing and packaged them into economical, yet attractive steel enclosures perfect for office, industrial or washdown environments.

The FB6000 features versatile relay controls that allow for filling in "up-weighing" or "down-weighing" applications.

As a filling control instrument, the FB6000 (when paired with its Relay Box Accessory) has eight (8) setpoints that can be used as individual controls, or operators can combine two setpoints to achieve fast-fill with dribble capabilities.

The FB6000 is also able to run relay controls while in Inbound/ Outbound weighing mode, making it possible to fill trucks and rail cars with commercial product while simultaneously capturing NTEP compliant Gross, Tare and Net weight values.

Relay Modes of Operation*

Setpoint filling

Setpoint mode involves simple "free running" setpoints that allow a scale operator to reach a desired target weight when filling a container of any shape and size. Setpoint relays are active if the weight on the scale is below the setpoint target. Up to eight (8) setpoints are available on the FB6000. Setpoint mode can be used in conjunction with Inbound/ Outbound weighing to fill trucks or railroad cars.

*A FB6000 Relay Box Accessory is required for all relay modes of operation.



Manual Batch

Simple manual filling operations on a Fairbanks floor scale are easily handled by the FB6000's batch mode. The scale operator places a container (vessel, drum, bag, etc.) on the floor scale and inserts a filling mechanism into the container. The operator then enters a setpoint (for 1 of 8) and presses the start button. The container is filled according to pre-set bulk speed or bulk and dribble speed parameters. When the target weight is reached the relay stops the process and the container is removed.

Auto Batch

This mode is ideal for basic filling operations that require less operator interface. Rather than manually activated by an operator, setpoints automatically sequence from target-to-target once the start button is pressed. Up to eight setpoints can be programmed to automate.

Auto Batch Repeat

Basic filling operation in which setpoints automatically sequence and the batch is automatically restarted at the end of each process.

Checkweigh

With its Under, Accept and Over settings, the FB6000 relay controls can be programmed to checkweigh containers.

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Weighing Solutions for the World since 1830

Fairbanks.com

SPECIFICATIONS

Enclosures Desktop/Wall Mount Model - Stainless steel, NEMA 4X (Analog or Intalogix® load cell interface)
 Panel Mount Model - Stainless steel and powder coated steel, NEMA 12 (Analog or Intalogix® load cell interface)
 Rack Mount Model - Stainless steel and powder coated steel, NEMA 12 (Analog or Intalogix® load cell interface)

Processor 1 GHz Quad Core

Memory 1 GB

On-board storage 2.4 GB

Number of scales 1

Display Bright red, 16-segment, LED with adjustable intensity

Units lb, kg, oz, g, ton and tonne

Keypad Oversized keys: 0-9, Decimal point, Enter, 14 control keys

Loop ID/Truck ID Up to 15 alphanumeric characters

Load cells Ten 350 ohm cells, 16 1000 ohm cells

Outputs Three (3) RS232C ports, One (1) RS422 /RS485 selectable port, Two (2) USB 2.0 ports, One (1) dedicated optically isolated 20mA One (1) RJ45 Ethernet TCP/IP

Relay box interface One (1) dedicated interface to Relay Box Accessory 165

Traffic light interface One (1) dedicated interface to Traffic Light Accessory 777

Operating modes Setpoint operation (5 modes), GTN, Inbound/Outbound, Basic Inbound/Outbound

Remote switch inputs Zero, Print, Tare, Gross/Net

Power requirements 100 to 130 VAC or 200 to 260 VAC; 50/60 Hz

Clock Real time clock, 12-hour a.m./p.m., Date (month/day/year)

Displayed characters 0.80" tall

Display resolution 10,000 divisions commercial, 50,000 divisions for non-commercial

Capacity Programmable to 999,999

Displayed units 4 primary and 4 secondary

Programmable fields 1

Stored tares 1,000

Transaction records 100,000

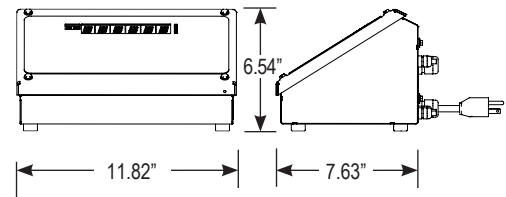
Humidity 0 to 90% (FB6006 & FB6016 panel mount models and FB6007 & FB6017 rack mount models)
 0 to 100% (FB6005 & FB6015 desktop/wallmount models)

Accuracy Class III/IIIL

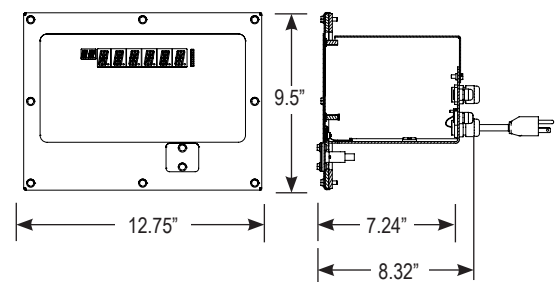
Accessories 4-20 mA (active or passive, 16 bit), Traffic light control card, Peripheral devices: ticket printer, tape printer, remote displays, traffic light, traffic light control box, relay control box, 105 or 87 key QWERTY keyboard

Approvals NTEP CC# 12-099, MC# AM-5878, ETL

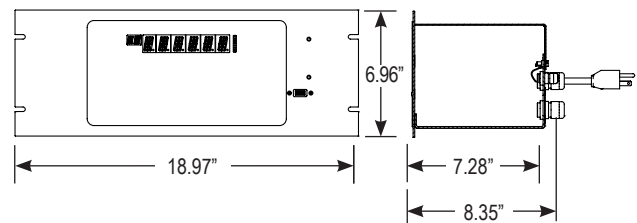
DIMENSIONS - DESKTOP/WALL MOUNT - NEMA 4X



DIMENSIONS - PANEL MOUNT - NEMA 12



DIMENSIONS - RACK MOUNT - NEMA 12



Your Fairbanks Scales Authorized Representative is:

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