

FAIRBANKS®

2500 FLASH SERIES INSTRUMENTS WITH INTALOGIX® TECHNOLOGY



Fairbanks' 2500 Flash Series Instruments offer the advantages of Intalogix® Technology, plus the added benefit of flash memory capabilities.

MULTIPLE APPLICATION CAPABILITIES

Fairbanks' 2500 Flash Series instruments are versatile enough for all your applications. Featuring Fairbanks' exclusive Intalogix Technology and the unmatched diagnostic benefits it provides, you will find the 2500 Flash Series to be the best and most versatile solution for all your weighing needs. With our unique flash technology, the 2500 Flash Series can be used in a variety of applications by simply "flashing" in new operating software. This process is similar to the way you can 'flash upgrade' your computer BIOS or cell phone software. As needs change, your 2500 Instrument can change. Some of the software applications in Fairbanks current library are (but not limited to):

- Predictive cutoff
- Multi-platform highway systems
- 2500 to 2500 Networking
- Axle weighing (Axlematic) for short platforms
- Axle weighing software for full length platforms
- Barcoding software is available

INTALOGIX® TECHNOLOGY

Fairbanks Scales is the scale industry leader in improving the conventional method for load cell communications. Conventional load cell communication uses low DC voltages measured in millivolts. This signal is weak and susceptible to numerous outside

influences like EMI, RFI, sever cable distance limitations, voltage spikes, surges and lightning strikes. Intalogix Technology was designed to eliminate each of these problems. Here's how:

- EMI, RFI and cable distance issues are addressed by eliminating the weak conventional analog (mV) signal. Intalogix Technology uses a strong digital signal that is a million times stronger than conventional analog signals, when compared graduation to graduation. This is done by a unique process of digital multiplexing load cell signals right at the load cell location.
- Voltage surges and lightning strikes have been tamed through transformer coupling the instrument and scale platform and through optical isolation of the load cells. This combination has virtually made load cells immune to lightning and surges in applications using Intalogix Technology.

WHY DO YOU NEED INTALOGIX® TECHNOLOGY?

Because we live in an imperfect world, load cells are finite devices with limited life cycles and they do fail. When load cells fail, the failure can cause major errors that:

- Cost your business time (down time)
- Money (lost production) and possibly
- Reputation damage (degraded product quality or incorrect product manufacturing)

With the 2500 Flash Series with Intalogix Technology, these issues are virtually eliminated. The 2500 Flash Series instrument, through the power of Intalogix Technology, constantly monitors each load cell and analyzes the scale's internal performance. Should a potential error be detected, the instrument immediately notifies the operator through displayed messages, calling attention to any potential problem. This ongoing process guarantees accurate scale performance at all times. Additional service screens are available for diagnostics and troubleshooting information right from the instrument to diagnose any problem and get your scale back up and running, fast!

Intalogix Technology allows your scales to reach a new range of weighing accuracy, reliability and performance using standard analog load cells. No proprietary load cells are required as the 2500 Flash Series with Intalogix Technology works with all
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QuickFacts™

Models and specifications subject to change without notice.
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Call toll-free for the Fairbanks representative nearest you:
(800) 451-4107

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analog load cells! That is right. Unlike other manufacturers, who choose to improve load cell performance through the use of proprietary load cells, cables and electronics, Fairbanks' Intalogix Technology works on all analog scales, regardless of brand or manufacturer. And, it will make them work better.

When you consider that the 2500 Flash Series is competitively priced with other scale instruments, you shouldn't settle for anything but the best — Intalogix.

FLEXIBLE INTERFACING

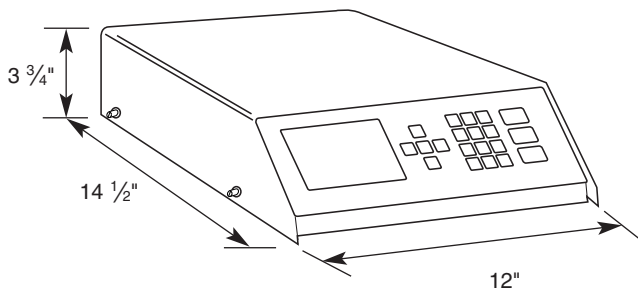
Some models in the 2500 Flash Series are compatible with a PLC interface. From one instrument, you have the ability to choose from today's leading fieldbuses, including Profibus®, ControlNet®, DeviceNet®, EtherNet® and Modbus Plus®.

RF CONNECTIVITY

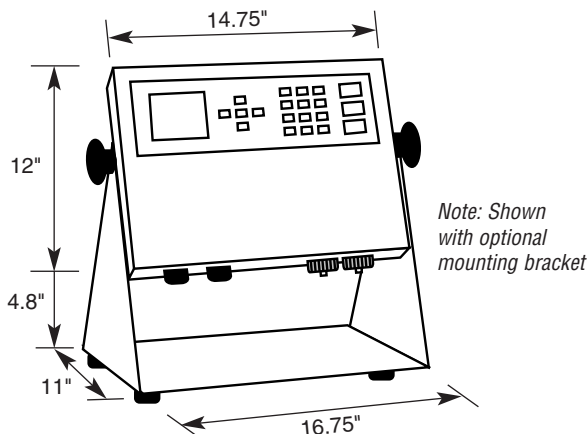
In some applications it is not realistic to run interface cables in the area where a scale is located. Using Fairbanks wireless (RF) modems enables peripheral devices like printers, remote displays and computers to be located away from the scale instrument.

DIMENSIONS

2500 Series Desktop Model



2500 Series Wall Mount Model



SPECIFICATIONS

Models	2500-F1 desktop; 2500-F1 NEMA 4X wall mount; 2500-F2 desktop; 2500-F2 NEMA 4X wall mount;
Display	3.06" x 3.72" LCD, LED backlit graphics
Displayed Characters	0.5"
Display Resolution	10,000 divisions commercial; 50,000 divisions for non-commercial
Capacity	Programmable to 999,999
Displayed Units	16 programmable options
Calibration & Configuration	Parameters can be downloaded or uploaded from a computer for long-term storage and diagnostics
Humidity	0 to 95%; NEMA 4X enclosure = 100%
Enclosure	Stainless steel NEMA X; NEMA 4X
Power Requirements	100 to 130 VAC or 200 to 260 VAC; 50/60 Hz; 1 amp max. at 115 VAC
Accuracy	Class III/IIIL
Memory	64K (F1 models only); 320K (F2 models only)
Product Files	50 (F1 models only); 100 (F2 models only)
Field Names	Seven (7) field names, one (1) traceable in transaction record (F1) models only Seven (7) field names, all traceable in transaction record (F2) models only
Mail ID	200 stored customer files each with four lines of data, up to 31 characters per line (F2 models only)
Stored Tares	100 (F1 models only); 200 (F2 models only)
Transaction Records	900 (F1 models only); 1600+ (F2 models only)
Reports	Two transaction reports are customer programmable to generate any or all portions of a transaction record in a prioritized order
Keyboard	Oversized keypad, nine function keys 0-9 and decimal point
Clock	Real time clock, day of the week, 12-hour am/pm, month/day/year date (Y2K compatible)
Modem Service	Hayes compatible modems from 300-19,200 baud
Multiple Scales	2500-F1 & 2500-F2 = One instrument can run up to 4 scales to a maximum of 32 load cells per instrument
Serial Inputs/Outputs for All Models	COM 2 = Full 9-pin (modem compatible) RS232C; COM 3 = RS232C (4-wire); Dedicated 20mA optically isolated remote display interface
Serial Inputs/Outputs for F2 Models Only	COM 4 = Full 9-pin (modem compatible) RS232C; COM 5 = RS232C (4-wire) or RS485; Smart analog output 4-20mA
Peripheral Devices	Ticket printer; Tape printer; Form printer; Remote display
Accessories	Smart sectional controller; power supply; phone modem; short haul modem; 105-key PC compatible keyboard for alphanumeric character entry; relay cutoff box and cable; relay accessory box for traffic lights; PLC interface cards