

FAIRBANKS®

2800 SERIES INTRINSICALLY SAFE INSTRUMENT WITH INTALOGIX® TECHNOLOGY



The 2800 Series instrument combines the digital advantages of Fairbanks exclusive Intalogix® Technology with a state-of-the-art, intrinsically safe design to achieve ultimate weighing performance in today's hazardous environments.

2800 SERIES INSTRUMENT: SAFE AND INNOVATIVE

Fairbanks' Scales is always working to bring you new products that will improve your weighing operations and boost your bottom line. After extensive research and development, we are pleased to offer the extraordinary, versatile and reliable 2800 Series Instrument. The features and benefits of this new, intrinsically safe product are remarkable. Take a look:

- The fastest and easiest calibration system on today's market. There's no need to drain tanks or hoppers or hang test weights when replacing a load cell. Simply install the cell and enter its output specifications into the 2800. Now you're done! Downtime is virtually eliminated.
- Weight to gallon conversion.
- Programmable Zero Band Error helps eliminate the possibility of an operator unintentionally masking an error or "zeroing" the error off.
- The 2800 is equipped with dual displays — a seven segment

liquid crystal display (LCD) for displaying weight data and a secondary 16 character alphanumeric LCD for operator prompts and messages.

- Up to eight setpoints (relays) can be enabled using the 2800's setpoint accessory box and four modes of setpoint operation are standard on the instrument: setpoint mode; check weigh mode; batch mode and auto batch mode.
- Relay Control Buttons are located on the front of the instrument in a large, bright yellow, easy-to-read format.
- The 2800 is also Front Panel Programmable. Target weights are quick and easy to change as your processes change throughout the day.
- Peak Hold function allows the greatest net weight value to be held in memory until the Clear key is pressed.
- Features a passive Smart high resolution 4 to 20 mA analog output with resolution of up to 65536 (16 bits).

THE 2800 INSTRUMENT IS RIGHT FOR YOUR APPLICATION

Fairbanks' 2800 Series Instrument is designed to operate in a hazardous area and is compatible with Fairbanks' truck scales, railroad track scales, floor scales, tank scales and hopper scales, as well as other manufacturers' scales. The 2800 is perfect for numerous chemical and food processing applications such as manual batching, auto batching, setpoint, PLC interfacing (via 4 to 20 mA) and networking via 485.

LOOKING FOR PEACE OF MIND IN A HAZARDOUS WORLD?

Fairbanks Scales pioneered intrinsically safe scale equipment to provide a safe alternative for weighing operations that, due to their nature, are at higher risk for fire or explosion. Fairbanks continues its leadership role today with the 2800 Series instrument. The 2800 will increase the safety, accuracy and efficiency of your potentially hazardous weighing operation. Our confidence is backed by Factory Mutual Engineering and Research, which has approved the use of the 2800 for Class I, II, III, Division 1, Groups A, B, C, D, E, F and G. The 2800 also meets or exceeds the requirements of National Institute of Standards and Technology's Handbook 44 for use in commerce. Type evaluated under National Type Evaluation Program.

QuickFacts™

Models and specifications subject to change without notice.
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DISCOVER THE POWER OF INTALOGIX® TECHNOLOGY

What makes the 2800 Series Instrument so unique among Fairbanks products is the combination of its intrinsically safe design, full Factory Mutual rating and **Intalogix Technology** capabilities. Intalogix, Fairbanks' exclusive digital technology for load cell communication, offers superior load cell diagnostics, quick and easy mV calibration, error messages and programmable zero shift.

REASONS WHY YOU NEED A 2800 SERIES INSTRUMENT WITH INTALOGIX TECHNOLOGY

Let's face it, bad things happen to good people. Because we live in an imperfect world, load cells are finite devices with limited life cycles and they do fail. When load cells fail, they cause major errors which cost your business time (down time), money (lost production) and possibly reputation damage (degraded product quality, incorrect product manufacturing). But with the 2800 Series, these issues are virtually eliminated. The 2800 notifies the operator immediately when serious problems occur and helps the technician quickly locate, diagnose and correct the problem.

THE 2800 SERIES ENCLOSURE

The 2800 instrument is housed in a NEMA 4X rated, 304 stainless steel enclosure. The enclosure comes standard with a stainless steel, swivel bracket for desk, wall or overhead mounting.

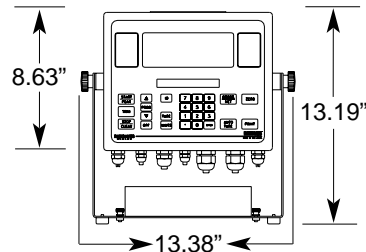
2800 SERIES ACCESSORIES

The 2800 Series family is completed by a number of Fairbanks' accessories. They include:

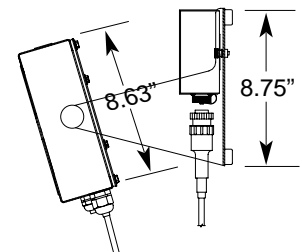
- 2860 Converter Box
- 2825 Safe Area Power Supply
- 2802 Intrinsically Safe controller
- 2850 Relay Box
- 2880 Analog Load Cell Interface

For details on the 2800 Series Accessories, please refer to Fairbanks' QuickFacts #100410, Accessories for the 2800 Series Intrinsically Safe Instrument with Intalogix Technology.

2800 DESK MOUNT



2800 WALL MOUNT



SPECIFICATIONS

Model Number	2800
Display Resolution	10,000 divisions for commercial 30,000 divisions for non-commercial
Units	lbs., oz., gm., kg., ton, lb-oz, weight-to-gallon conversion (field programmable density)
Auto Zero Tracking	Programmable
Keypad	Full numeric with tactile feedback
Pushbutton Zero Range	2% or 100%
Pushbutton keys	Tare, auto tare, zero, print, gross/net mode, units selection, enter, program, scroll, start, start, trim, I.D. (six characters)
Balance Detector	Programmable
Weight Display	1.25" high, seven segment, six digit, Liquid Crystal Display (five digits with minus sign)
Secondary Display	0.38" x 0.191", 16 character Liquid Crystal Display
Warm-up Time	10 seconds
Display Update Rate	Programmable 0.1 to 0.8 seconds
Graduation Size	0.0002 to 50 in increments of 1, 2 and 5
Load Cells	Up to 16 load cells
Enclosure	304 Stainless steel, NEMA 4X
Data Protection	100% retention of all stored data by EEPROM
Over/Accept/Under	Annunciator displays within one division size of pre- determined weight range
Humidity	0 to 100%. Suitable for washdown
Recharge Warning	Displays when battery is within 80-90% of total dis- charge
Low Battery Warning	Displays when instrument will no longer operate with- out safe area recharging (95-98% discharge)
Approvals	Factory Mutual Approval for Class I, II, III, Division 1, Groups A, B, C, D, E, F and G.
NTEP COC#	01-009

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