

FAIRBANKS®

2800 SERIES INTRINSICALLY SAFE INSTRUMENT WITH INTALOGIX® TECHNOLOGY



These rugged and economical indicators are designed to handle a variety of hazardous applications and feature the world's best digital load cell communication technology.



FAIRBANKS®

2800 SERIES INTRINSICALLY SAFE INSTRUMENTS 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 versatile and reliable 2800 Series instrument.

The features and benefits of this exciting, 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. Downtime is virtually eliminated!
- Features weight to gallon conversion.

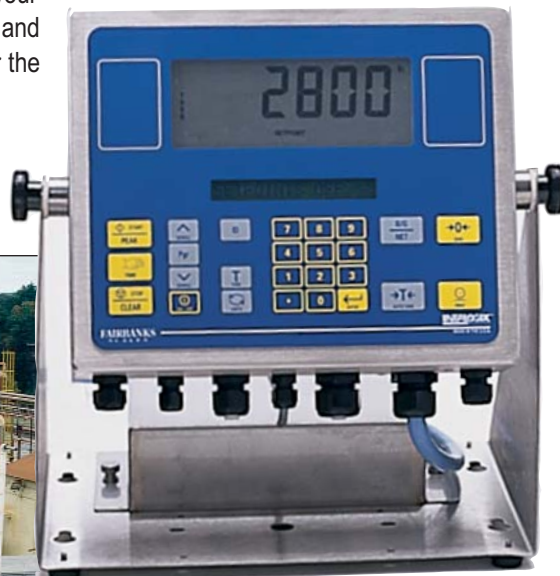


The 2800 Series is the first Fairbanks' indicator with the ability to operate in hazardous environments and feature our exclusive, digital, load cell communications technology, Intalogix® Technology.

- The 2800 is equipped with dual displays — a seven segment liquid crystal display (LCD) for communicating weight data; and a secondary 16 character alphanumeric LCD for operator prompts and messages.
- Programmable Zero Band Error helps eliminate the possibility of an operator unintentionally masking an error or "zeroing" the error off.
- Up to eight setpoints (relays) can be enabled using the 2800's Setpoint Accessory Box. 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 design.
- 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 bit).



Fairbanks' intrinsically safe 2800 Series indicator is designed to perform with virtually any scale system. It is perfect for numerous chemical and food processing applications such as manual batching, auto batching, setpoint and PLC interfacing via 4 to 20mA.



2800 SERIES PRODUCT FAMILY WILL MEET YOUR NEEDS

Fairbanks has made it easy to create the perfect intrinsically safe environment for your operation with the 2800 Series instrument and one or more of the following low-cost, Fairbanks accessories

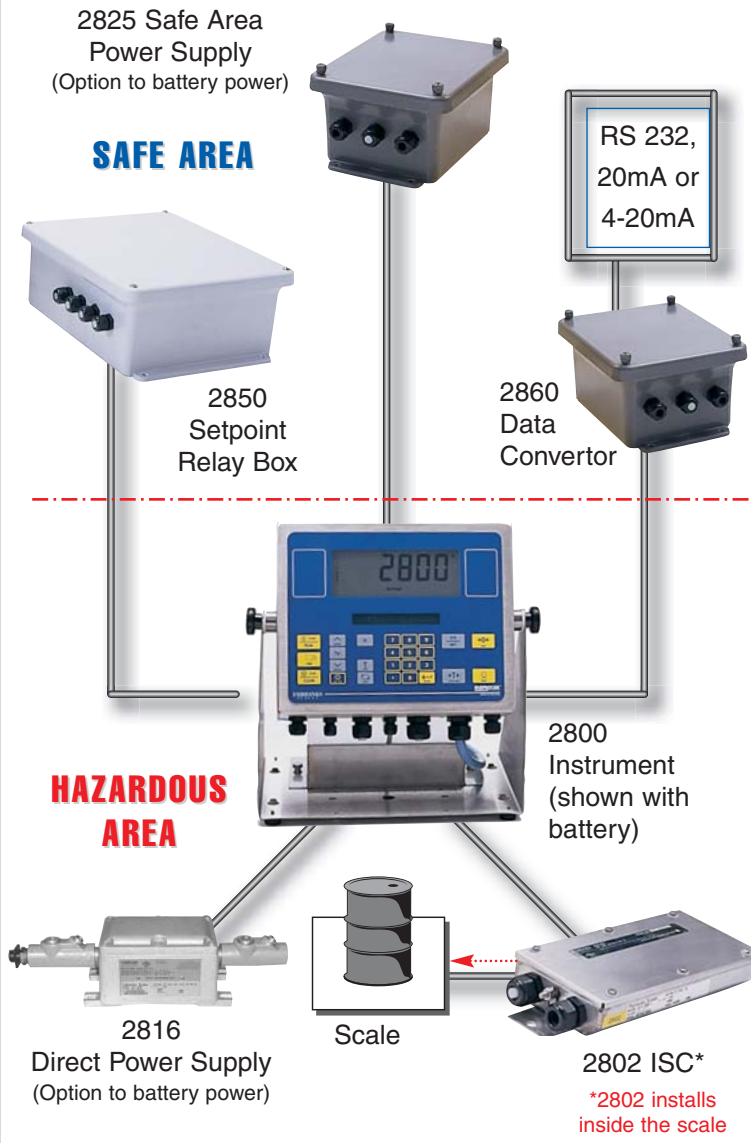
2860 DATA CONVERTER

The 2860 is a safe area, fiber optic converter box. This accessory receives fiber optic communication from the 2800 via 5806 fiber optic cable. It converts the data to RS 232, 20 mA, or Smart 4 to 20 mA for communication with printers, PCs and other technologies. The 2860 can be located up to 200 feet away from the 2800 instrument.

2825 SAFE AREA POWER SUPPLY

When interfaced with the 2800, the 2825 provides a safe area AC power source that eliminates the need for battery power. The 2825 is not Factory Mutual approved for Groups A or B when used with the 2802 Intrinsically Safe Controller. It's FM approved for all Groups, Classes and

2800 Indicator System Schematic



2802 INTRINSICALLY SAFE CONTROLLER

Fairbanks' 2802 is a digital load cell interface box that converts a standard analog load cell signal to a digital signal. Each ISC controls up to four load cells.

2850 RELAY BOX

The 2850 accessory is a safe area Setpoint Relay Box. It holds eight type 'C' relays (included with accessory) and connects to the 2800 instrument via 5806 fiber optic cable. The 2850 offers four modes of setpoint operation.

Relay specifications:
 24 VDC; 1 CA @ 28 VDC,
 120 VAC, 1/3 HP @ 120 VAC; 240 VAC

2880 ANALOG LOAD CELL INTERFACE

The 2880 plugs inside the 2800 instrument and allows up to 16 (350 or 1,000 ohm) analog load cells to be interfaced. The user can replace virtually any other Intrinsically instrument, even in analog applications.

Divisions when used with the 2880 Analog Load Cell Interface.

2816 DIRECT POWER SUPPLY Provides intrinsically safe power in hazardous environments.

Fairbanks' 2816 can power up to two 2800 Instruments and replaces the need for batteries.

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

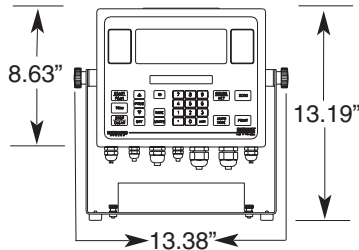
Series instrument. The 2800 will increase the safety, accuracy and efficiency of your potentially hazardous weighing operation. Our confidence is backed by Factory Mutual Engineering and Research, which has approved the use of the 2800 for

Class I, II, III Division I, II, 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. Evaluated under NTEP.

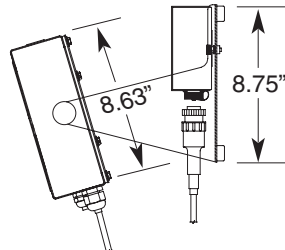
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2800 DESK MOUNT



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)
- 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
- 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
predetermined weight range
- Humidity 0 to 100%. Suitable for washdown
- Recharge Warning Displays when battery is within 80-90% of total
discharge
- Low Battery Warning Displays when instrument will no longer operate
without safe area recharging
(95-98% discharge)
- Approvals NTEP CC# 01-009
Factory Mutual



DISCOVER THE POWER OF FAIRBANKS EXCLUSIVE 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' innovative 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

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 that cost your business time (down time), money (lost production) and possibly reputation damage (degraded product quality or incorrect product manufacturing). 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.

Your Fairbanks Scales Authorized Representative is:

Call toll-free for the representative nearest you:

(800) 451-4107

Call between 8:00 a.m. – 5:00 p.m. CST

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facility registered in
compliance with ISO 9001:2000.

