

EI-1000/2000S

High Precision Digital Weight Indicators / Transmitters

Features

- User-friendly, function pushbutton operator interface
- Unique Pushbutton Zero function
- Large, bright LED display
- 4-20 mA_{dc} output signals standard
- UL-approved, NEMA 4X fiberglass enclosure for environmental protection
- Serial port for direct computer interface
- Optional I/O expansion for monitoring and alarm for up to 4 scales
- Displays: Amount Used, Remaining, Total, Gross, and Tare Weight
- Integral LED annunciator to display operating modes and alarms
- Optional real time clock with super capacitor backup
- Supports up to 16 electronic load cells

EI-1000/2000S

The Eagle Microsystems Eagle-Eye Digital Weight Indicator/Transmitters are high precision, microprocessor-based instruments for use with any Eagle electronic scale. They are also compatible with most electronic scales of other manufacture. The family consists of the Model EI-1000S, which is a single channel instrument that can be expanded to monitor up to 4 scale bases, and the dual channel Model EI-2000S.

Large, bright LED displays and high accuracy, 4-20 mA_{dc} outputs scalable to any required range characterize both instruments. Both displays and outputs are continuously available. The user-friendly function keypad permits selection of displays for: Amount Used, Amount Remaining, Total Weight, Tare Weight, and Gross Weight.

Both units offer a unique Pushbutton Zero function and Calibration Verification that allows the user to verify system calibration every time he installs a new load onto the scale. The instruments offer 5 modes of operation, ranging from fully automatic to full manual. In the automatic mode the instrument automatically computes tare weight and then displays the amount of chemical available.

The electronics are housed in a UL-approved, NEMA 4X fiberglass enclosure making it suitable for virtually any environment encountered in a municipal treatment plant.

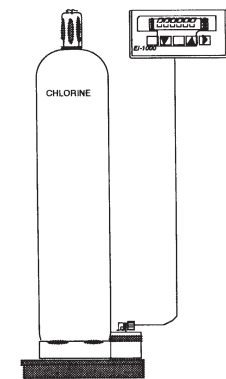
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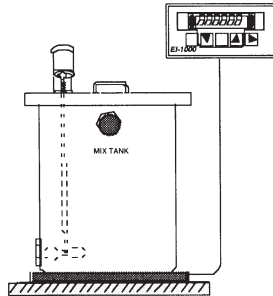
EI-1000/2000S

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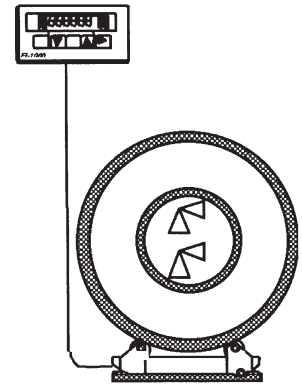
EI-1000S Sample Applications



EDS400/EI1000S

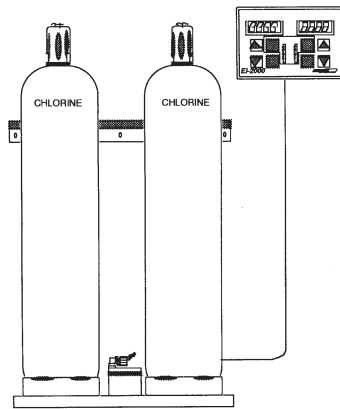


WP1000 or LP4300/EI1000S

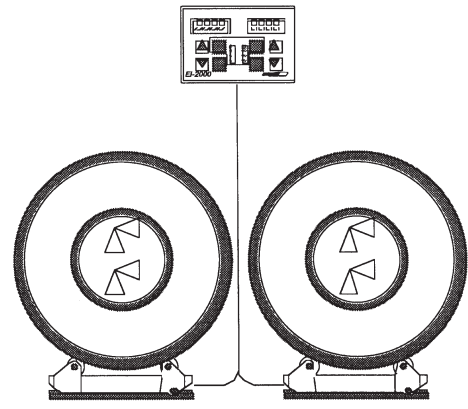


WT3600/EI1000S

EI-2000S Sample Applications



DCS302/EI2000S



WT3600-2/EI2000S

Specifications - EI-1000S

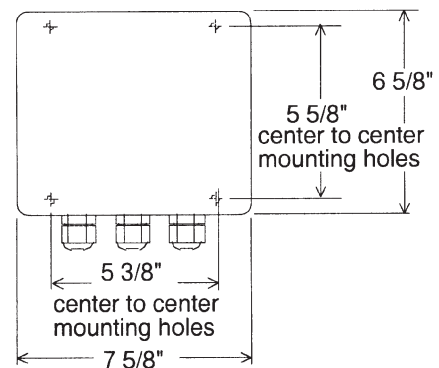
| | |
|-----------------------|--|
| Channels | 1 to 4 |
| Display | One 6-digit, 7-segment, 0.56" high red LED |
| Display range | 0-999999 |
| Keypad | 5 tactile feedback pushbuttons |
| Load cell input range | -0.4 to +3.3 mV/V |
| Output per channel | 4-20 mAdc into 500 ohms |
| Serial Interface | RS-232 std; RS485 optional |
| Operating temp. range | 17 to 104°F (-10 to 40°C) |
| Power required | 115/230 Vac switch selectable, 50/60Hz, single phase |
| Power consumption | 12 W |

Specification - EI-2000S

| | |
|-----------------------|--|
| Channels | 2 |
| Display | Two 4-digit, 7-segment, 0.56" high red LED |
| Display range | 0-9999 |
| Keypad | 8 tactile feedback pushbuttons |
| Load cell input range | -0.4 to +3.3 mV/V |
| Output per channel | 4-20 mAdc into 500 ohms |
| Serial interface | RS-232 std; RS485 optional |
| Operating temp. range | 17 to 104°F (-10 to 40°C) |
| Power required | 115/230 Vac switch selectable, 50/60Hz, single phase |
| Power consumption | 12 W |

Options

| | |
|----------------------|---|
| Serial | RS485 |
| Relays | Two dry contacts rated 3A @250V ac or dc |
| Expansion | |
| EI-2000S-EXP Upgrade | Adds 2 scale inputs, 2 AO & 2 CCO |
| EI-2000S-IO Upgrade | Adds 8 CCO and 4 CCI |
| Other | Real-time clock |



Mounting Diagram

