



## SPECIFICATION SINGLE CHANNEL WEIGHT INDICATOR/TRANSMITTER

### 1.0 GENERAL

The weight indicator shall be an Eagle Microsystems Model EI-1000 Single Channel Weight Indicator/Transmitter suitable for use with Eagle Microsystems Scale Series Models EDS400 , ECS-1500 , DS750, LP4300, WT3600, C3600P, and C7200P.

### 1.1 WORK SPECIFIED ELSEWHERE

The weight indicator shall be mounted to the wall with utilizing 8-32 mounting screws.

### 1.2 START UP / OPERATION

Start up, calibration and operation of the weight indicator shall not require the services of the manufacturer. However, assistance shall be available from a factory trained, local representative if required.

## 2.0 DESCRIPTION

The weight indicator shall be a microprocessor-based instrument providing one (1) continuous digital display of various weight parameters of the scale(s) utilized. The instrument shall be capable of providing an isolated output of 4-20 mA<sub>dc</sub> into 400 ohms as standard, and digital and relay (low weight alarm) outputs when specified(see options). The instrument shall be connected via multi-conductor cable furnished with the electronic scale utilized.

### 2.1 COMPONENTS

#### 2.1.1 ELECTRONIC INDICATOR

The electronic indicator shall be a one (1) channel device, furnished in a NEMA 4X enclosure, providing an operating display range suitable to the electronic scale(s) utilized.

The indicator shall have electronic tare weight adjustments of 0 to 100 %. The LED display shall be provide numerals greater than 1/2 " in height and be visible at a distance of greater than 20 ft from the instrument. Each

channel shall display up to 99999.9 with a user selectable display resolution of 0.1 to 5.0 lbs. (0.1 to 2 kg), dependent on the electronic scale utilized.

The electronic indicator shall provide LED digital displays of "Gross", "Tare", "Remaining", and "Total" weights. Vertical LED arrays shall clearly indicate status of the weight display. A "Low Level" visual indicator shall be furnished as standard with the capability of an associated optional alarm contact. (see options). The indicator shall be capable of remote mounting to a distance of 1000 ft. /300 m .

### 3.0 POWER SUPPLY

The Weight Indicator shall operate from a 120 Vac, 60 Hz, single phase power supply. Loop powered devices shall be unacceptable.

### 4.0 OPTIONS

#### 4.1 OUTPUTS / RELAYS

##### 4.1.1 LOW WEIGHT ALARM CONTACT (Optional - use if low weight alarm required)

The electronic indicator shall provide a total of one (1) low weight alarm contact. The contact shall be rated at 1 amp @ 250 Vac.

##### 4.1.2 SERIAL OUTPUT (Optional - use if digital communication is required.)

The electronic indicator shall provide an RS-485 serial digital interface.

### 5.0 WARRANTY

The instrument shall be covered by the manufacturers Standard Warranty, which shall include the entire assembly for one (1) year from date of start up or eighteen (18) months from date of shipment, whichever occurs first.

### 6.0 MANUFACTURER

The scale shall be manufactured by Eagle Microsystems, Inc., Pottstown, PA, USA phone: 610-323-2250 / fax: 610-323-0114