



SPECIFICATION

DUAL CHANNEL DIGITAL WEIGHT INDICATOR/TRANSMITTER

1.0 GENERAL

The weight indicator shall be an Eagle Microsystems Model EI-2000S Dual Channel Weight Indicator/Transmitter suitable for use with Eagle Microsystems Scale Series Models EDS400 , ECS-1500 , DCS302, WP1000, DS750, LP4300, WT3600, C3600P, C7200P and LC-WA and TWA tank weighing assemblies.

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 two (2) continuous digital displays of various weight parameters of the scale(s) utilized. The instrument shall be capable of providing analog, digital and relay outputs. 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 two (2) channel device, furnished in a UL-approved, NEMA 4X enclosure, with each channel providing an operating display range suitable to the electronic scale(s) utilized.

The indicator shall accept individual electronic tare weight adjustments of 0 to 100 %. The two high-intensity 4-digit LED displays shall 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 9999 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 dual LED digital displays of "Gross", "Tare", and "Remaining" weights. Vertical LED arrays shall clearly indicate status of each channel's weight display. A "Low Level" visual indicator shall be furnished for each channel as standard with the capability of an associated optional alarm contact. (see options).

The operator interface shall be an array of eight tactile-feedback, function pushbuttons for slewing the display values for each channel up and down and individual pushbuttons for zero and mode selection. Indicators with numeric keypads shall be unacceptable.

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 115/230 Vac,50/60 Hz (other) 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 two (2) low weight alarm contacts. Alarms shall be dry contacts and be rated 1.3 amp @ 250 Vac.

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

The electronic indicator shall provide an RS232 (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
www.eaglemicrosystems.com