



SPECIFICATION ELECTRONIC DRUM SCALE

1.0 GENERAL

The scale shall be an Eagle Microsystems Model DS750 Electronic Drum Scale suitable for weighing a single drum or carboy having a maximum diameter of 24 inches / 60 cm. Scale shall have a maximum capacity of 750 lbs. / 338 kg., providing an accuracy of 0.25 % of rated capacity.

1.1 WORK SPECIFIED ELSEWHERE

The scale base shall be anchored to the floor by the contractor with 1/2" dia. mounting hardware.

1.2 START UP / OPERATION

Installation shall be accomplished without the need for special tools or lifting devices. Start up, calibration and operation of the scale 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 scale shall be comprised of a floor mount weighing base and a remote mount electronic indicator, furnished complete with 15 ft. / 5 m. interconnection cable. The entire weighing system shall weigh less than 55 lbs. / 25 kg for ease of installation.

2.1 COMPONENTS

2.1.1 SCALE BASE

The weighing platform shall be a non-corrosive, high impact, solid PVC base, protected by 5 year warranty, and suitable for weighing one (1) 24 inch / 60 cm max. dia. drum or carboy. Drum or carboy weight shall be conveyed to an environmentally sealed strain gauge load cell via a reliable lever system. Load cells shall be temperature compensated 0 to 150° F / 0 to 65° C. Systems incorporating hydraulic load cells shall not be

acceptable. All scale electronics, including the load cell, shall be enclosed in a NEMA 4X enclosure mounted to the top of the scale platform for maximum protection against a hostile chemical environment. Maximum height of scale base (excluding electronics enclosure) shall not exceed 2 in. / 5 cm.

2.1.2 ELECTRONIC INDICATOR

The electronic indicator shall have an operating display of 0 to 750 lbs (or 0 to 338 kg.), with an electronic tare weight adjustment of 0 to 100 %. Display resolution shall be user selectable in 0.2, 0.5 or 1 lb. (0.1 or 0.5 kg.) increments. The electronic indicator shall provide an LED digital display(s) of "Gross", "Tare", "Remaining", "Used" and "Total" weights. A vertical LED array shall clearly indicate status of weight display. A "Low Level" visual indicator shall be furnished as standard with the capability an associated optional alarm contact. (see options). 15 ft. / 5 m of interconnection cable shall be furnished as standard. However, the indicator shall be capable of remote surface mounting to a distance of 1000 ft. / 300 m. The instrument shall have an isolated 4-20 mAdc signal into 400 ohms.

3.0 POWER SUPPLY

The scale shall operate from a 120 Vac, 60 Hz (other) power supply.

4.0 WARRANTY

The entire scale shall be covered by the manufacturers Standard Warranty, which shall include the entire assembly for one (1) year from date of start up. The scale base shall be protected by an extended warranty for a minimum of five (5) years, which will provide warranty repair or replacement if the scale base is damaged through corrosive exposure.

5.0 MANUFACTURER

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