



Specification - DMS302 Dual Cylinder Mechanical Scale

1.0 GENERAL

The scale shall be an Eagle Microsystems Model DMS302 Dual Cylinder Mechanical Scale suitable for weighing two (2) compressed gas cylinders having a maximum diameter of 12 inches (30 cm). Scale shall have a maximum capacity of 360 lbs (162 kg). per cylinder, providing an accuracy of 0.5 % of rated capacity.

1.1 WORK SPECIFIED ELSEWHERE

The scale base shall be anchored to the floor by the contractor with 3/8" 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 a self contained device providing two independent, large, analog indicators mounted to a 5 ft (1.5 m) tall post to provide easy viewing. Scale base shall incorporate two independent reliable lever systems to convey each cylinder's weight to its dedicated analog indicator. Systems incorporating hydraulic load cells shall not be acceptable. Each indicator shall have an operating display (chemical weight) of 0 to 150 lbs (or 0 to 68 kg.), with individual mechanical tare weight adjustment of 40 to 125 lbs (20 to 55 kg.). Display resolution shall be in 1 lb. (0.5 kg.) increments. A highly corrosion resistant, dual platform, high impact PVC base, protected by 5 year warranty, shall be suitable for weighing two (2) 12 inch (30 cm) diameter. cylinders. Maximum height of scale base shall not exceed 1.5 in (3.8 cm). The unit shall weigh less than 65 lbs (29 kg) for ease of installation.

3.0 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.

4.0 POWER SUPPLY

The scale shall not require an external power source.

5.0 MANUFACTURER

The scale shall be manufactured by Eagle Microsystems, Inc., Pottstown, PA, USA phone: 610.323.2250 / fax: 610.323.0114