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**TYPICAL SPECIFICATION FOR MODEL 2305™ ECONOMICAL DIGITAL SINGLE CYLINDER SCALE**

**WITH ACCUPRO 1000 CONTROLLER**

**SCALE PLATFORM**

**Capacity:** A quantity of \_\_\_\_\_\_ Economical Digital Single Cylinder Scale(s) shall be provided for weighing one (1) 150 lb. gas cylinder. Scale shall be of the digital readout/electronic load cell type with a net capacity of up to 150 lbs. (68 or 70 kg). Scale base shall be of the single load cell design.

**Platforms:** Scale platform shall each be sized to accept one (1) 150 lb. cylinder up to 12" (304.8 mm) in diameter. Scale must have a rugged, steel frame that is protected by a corrosion resistant coating. Coating system shall consist of a zinc oxide primer and dry powder epoxy that is resistant to chemicals, moisture and UV light. The decking shall be solid, 1/4" thick PVC to protect scale base from abrasion. All hardware shall be stainless steel. The platform height shall not exceed 1.56" (40 mm) so as not to require a pit or ramp. A stainless steel leveling foot shall be supplied with the load cell. A heavy-duty adjustable backstop shall be provided to facilitate centering of cylinders on the platform. There must be a provision for securing weigh frame to floor. A wall-mounted cylinder restraining bracket with integral tool rack shall be provided.

**Load Cell:** Weight shall be transferred via a pivoted platform to a single, NTEP approved, temperature compensated stainless steel shear beam load cell. A flexible, four (4) conductor cable with a minimum length of 12 feet shall connect load cell to controller and allow easy remote installation of the readout. Cable length shall be \_\_\_\_\_\_ ft. (12 ft. is standard).

**CONTROLLER (INDICATOR)**

**Display & Operation:** Controller must be electronic and each channel shall have a 1 line x 6 character alphanumeric/graphic backlit LCD display with 6-digits for weight value. The controller shall give operator the ability to monitor chemical by weight in pounds or kilograms. Push buttons shall be provided for programming and setting tare weights.

**Channels:** Controller shall monitor one (1) channel and shall display net weight and tare adjustment. Ability to mix different scale types on one controller shall be standard.

**Optional Outputs:** Controller shall have the option of providing for an adjustable 4-20 mA analog output signal, selectable as scale or loop powered, that outputs net weight to provide the versatility to interface with related equipment.

**Enclosure:** Controller shall be housed in a NEMA 4X, UL approved enclosure and shall carry CE marking. Power requirement shall be 90/240 VAC. Controller shall be capable of remote mounting up to 200 ft. from scale base.

**COMPLETE SCALE**

**Accuracy & Warranty:** Accuracy shall be ±0.1% of full scale capacity, or better. Scale and controller shall carry a full five (5) year factory warranty. “Limited” warranties shall not be accepted.

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Scale shall be a Model 2305-\_\_\_\_\_\_\_\_\_\_\_\_ with 1000-1 controller with one (1) channel and \_\_\_\_\_\_ 4-20 mA output as manufactured by Scaletron Industries Ltd., Plumsteadville, PA.

**PART NUMBERS**

**Platform Part Numbers**

|  |  |  |
| --- | --- | --- |
| MODEL | SIZE | NET CAPACITY |
| 2305-150LB | 12" Diameter | 150 lbs. |
| 2305-68 or 70KG | 12" Diameter | 68 or 70 kg |

**Controller Part Numbers**

|  |  |  |
| --- | --- | --- |
| MODEL | INTERFACE | CHANNELS |
| 1000-1 | Push Button Keypad | One Channel |

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