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**TYPICAL SPECIFICATION FOR MODEL 4040™ DIGITAL PLATFORM SCALE**

**WITH ACCUPRO 1000 CONTROLLER**

**SCALE PLATFORM**

**Capacity:** A quantity of \_\_\_\_\_\_ Digital Platform Scale(s) shall be provided for weighing chemical tanks and drums. Scale shall be of the digital readout/electronic load cell type with a net capacity of \_\_\_\_\_\_\_\_\_\_\_\_ lbs. (kg). Scale shall be of a four (4) load cell design. A four cell system is required so that off center loads may be placed anywhere on the base and still obtain an accurate reading.

**Platform:** Scale platform shall be sized to accept up to a \_\_\_\_\_\_ (24", 30", 36", 48", 60" or 72") inch diameter tank or drum. 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 3.75" (95 mm) on 24”, 30", and 36" bases, 4.75" inches (121 mm) on 48" bases, 4.0" inches (102 mm) on 60" bases, and 5.44" inches (138 mm) on 72" bases so as not to require a pit or ramp. A stainless-steel leveling foot shall be supplied with each load cell.

**Load Cells:** Weight shall be transferred via a platform to four, NTEP approved, temperature compensated stainless steel shear beam load cells. A flexible, four (4) conductor cable with a minimum length of 20 feet shall connect load cell to controller and allow easy remote installation of the readout. Cable length shall be \_\_\_\_\_\_ ft. (20 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) or two (2) channels. Each channel 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 each channel 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.

*Page 1 of 2*

Scale shall be a Model 4040-\_\_\_\_\_\_\_\_\_\_\_\_ with 1001-\_\_\_\_\_\_ controller with \_\_\_\_\_\_ channels and \_\_\_\_\_\_ 4-20 mA outputs points as manufactured by Scaletron Industries Ltd., Plumsteadville, PA.

**PART NUMBERS**

**Platform Part Numbers**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MODEL | SIZE | NET CAPACITY LB/KG | | | |
| 4040-24-\_\_\_\_\_\_\_\_ | 24"x24" | 400LB / 181KG | 600LB / 272KG | 800LB / 363KG | 1000LB / 454KG |
| 4040-30-\_\_\_\_\_\_\_\_ | 30"x30" | 400LB / 181KG | 600LB / 272KG | 800LB / 363KG | 1000LB / 454KG |
| 4040-36-\_\_\_\_\_\_\_\_ | 36"x36" | 1000LB / 454KG | 1500LB / 680KG | 2000LB / 907KG | 2500LB / 1134KG |
| 4040-48-\_\_\_\_\_\_\_\_ | 48"x48" | 2000LB / 907KG | 3000LB / 1361KG | 4000LB / 1814KG | 5000LB / 2268KG |
| 4040-60-\_\_\_\_\_\_\_\_ | 60"x60" | 5000LB / 2268KG | 6000LB / 2722KG | 7000LB / 3175KG | 8000LB / 3629KG |
| 4040-72-\_\_\_\_\_\_\_\_ | 72"x72" | 7000LB / 3175KG | 8000LB / 3629KG | 9000LB / 4082KG | 10000LB / 4536KG |

*(EXAMPLE: 4040-48-5000LB OR 4040-48-2268KG)*

**Controller Part Numbers**

|  |  |  |
| --- | --- | --- |
| MODEL | INTERFACE | CHANNELS |
| 1000-1 | Push Button Keypad | One Channel |
| 1000-2 | Push Button Keypad | Two Channel |

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*Page 2 of 2*