**TYPICAL SPECIFICATION**

**WIZARD® 4000**

**150 LB CYLINDER SCALE**

**SPECIFICATION SECTION 11261 - Chlorination Equipment**

SCALE PLATFORM: A quantity of \_\_\_\_chlorine/SO2 scales shall be provided and shall be of the digital readout/electronic load cell type. Scale platform shall be constructed of corrosion-proof PVC plastic and sized to accept standard 150 lb type chlorine/SO2 cylinders. Platform height shall be less than 2 inches to allow easy handling and unloading of cylinders. Platform shall be resistant to moisture, chemicals, abrasion, impact and UV light.

Scale shall be of the single load cell design. Weight shall be transferred via a pivoted platform to a shear beam load cell of the electronic strain gauge type. Flexible cable shall connect load cell to indicator to allow easy remote installation of the readout. Cable length shall be \_\_\_\_\_ feet (10 ft standard). Cylinder chaining bracket shall be wall mounted and use a double coil chain and a spring-loaded snap hook to secure cylinder. Chaining bracket shall have an integral tool rack for storing cylinder change out tools.

INSTRUMENT ENCLOSURE, OUTPUTS & ALARMS: Indicator shall carry CE marking and shall be housed in a NEMA 4X, UL approved enclosure. Indicator shall have a 20-key digital keypad & ability to display 2 scales at a time on a backlit alphanumeric display. If more than 2 scales are being monitored, display shall automatically scan all scales in the system. Indicator shall have adjustable 4-20mA signals that output net weight and chemical feed rate for each scale. Indicator shall display an alarm in any of the following conditions: Low level, high level, low feed rate, high feed rate, max daily use, min daily use, supply exhausted and load cell failure. An alarm log shall store the most recent 10 alarm conditions with time and date of occurrence. A quantity of \_\_\_\_ relays (up to 12 per indicator) shall be provided for remote alarm indication or transfer pump control.

DISPLAY & INVENTORY CONTROL SOFTWARE: Keypad and Menu items shall have independent password protection to prevent unauthorized operation. Both a numerical and a bar graph display shall give operator the ability to monitor chemical by weight, volume or percent full. Each channel shall have a user selectable, 2-digit scale ID number and shall display net remaining, pure chemical remaining, feed rate, daily usage, total amount used, days until empty, gross weight and tare weight. A TANK LOAD key shall pause & project usage accumulation during chemical re-supply to maintain accurate usage data over multiple tank loads. A data log shall store the DAILY USAGE for each of the previous 31 days. Indicator re-calibration in the field shall be accomplished through the keypad and shall not require the use of dead weights.

Scale shall carry a Full Five (5) Year Factory Warranty. “Limited” warranties shall be considered unacceptable. Full scale accuracy shall be better than 1%. Scale shall be Electronic CHLOR-SCALE® 150 and WIZARD 4000® digital display, Model WR\_\_\_\_\_\_-\_\_\_, as manufactured by FORCE FLOW, 2430 Stanwell Drive, Concord, CA 94520 USA (www.forceflowscales.com).

MODEL NUMBERS

|  |  |  |
| --- | --- | --- |
| MODEL | # OF PLATFORMS(cylinders to be weighed) | INDICATOR CHANNELS |
| WR150-1 | 1 | 1 |
| WR150-2 | 2 | 2 |
| WR150-3 | 3 | 3 |
| WR150-4 | 4 | 4 |

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