**TYPICAL SPECIFICATION**

**WIZARD® 4000**

**55-GALLON DRUM SCALES**

**SPECIFICATION SECTION 11245 - Chemical Feeders**

**SPECIFICATION SECTION 11240 - Chemical Metering Pumps**

**SCALE PLATFORM: A quantity of \_\_\_\_drum scales of\_\_\_\_\_\_\_\_\_\_\_ lb (kg) capacity shall be provided and shall be of the digital readout/electronic load cell type. Scale platform shall be sized to accept an 18" (457mm) to 24" (610mm) diameter drum. Platform height shall be no more than 2" (51mm) to permit easy loading and unloading of drums. Platform scale coating system shall be a minimum dry thickness of 80 mils and 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 single load cell of the shear beam strain gauge type. Flexible cable shall connect load cell to indicator to allow easy remote installation of the readout. Cable length shall be \_\_\_\_\_ feet (meters) *[20 ft/6m standard].***

**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 information for two channels simultaneously on a backlit alphanumeric display. Indicator shall have ability to automatically scan and display the information of each channel sequentially at a user selectable display update interval. 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.**

**OPTIONAL: A quantity of \_\_\_\_ output relays (up to 12 allowed 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 access or reconfiguration of indicator. 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, feed rate, daily usage, total amount used and days until empty. A TOTALS function shall display the totaled values for any combination of channels. 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. Restoration of scale calibration shall be possible at any time using only the keypad and shall not require the use of test weights.**

**Scale shall carry a Full Five (5) Year Factory Warranty. “Limited” warranties shall be considered unacceptable. Full scale accuracy shall be better than 1/4 of 1%. Scale shall be DRUMM-SCALE**TM **with TUF-COAT**TM **Environmental Armor Model 27-DR\_\_\_\_DS\_\_, and WIZARD® 4000 digital display, Model 4000-\_\_\_, as manufactured by FORCE FLOW, 2430 Stanwell Drive, Concord, CA 94520 USA (www.forceflowscales.com).**

Model Numbers**:**

**PLATFORM (includes load cell):**

 **TUF-COAT Steel: Model No. (Capacity) Metric Model (Capacity)**

 **27-DR5DS** (500 lb) **27-DR2KDS** (250 kg)

 **27-DR10DS** (1000 lb) **27-DR5KDS** (500 kg)

 316 **Stainless Steel:** **27-DR5DSS** (500 lb)  **27-DR2KDSS** (250 kg)

 **27-DR10DSS** (1000 lb) **27-DR5KDSS** (500 kg)

**INDICATOR: Model No. # of Channels**

 **4000-1 1**

 **4000-2 2**

 **4000-3 3**

 **4000-4 4**

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**FORCE FLOW 1-800-893-6723**

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**55-Gallon DRUM/WIZ**

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