

**TYPICAL SPECIFICATION
WIZARD® 4000
55-GALLON DRUM SCALES**

**SPECIFICATION SECTION 11245 - Chemical Feeders
SPECIFICATION SECTION 11240 - Chemical Metering Pumps**

SCALE PLATFORMS: A quantity of ___ drum scales of _____ lbs. (kgs.) 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 _____ ft. (meters) (20'6M 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 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. Indicator shall be enabled with MODBUS protocol for remote RS-485 serial communications.

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, two 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 1/4 of 1%. Scale shall be DRUMM-SCALE™ with TUF-COAT™ Environmental Armor Model 27-DR___DS__, and WIZARD® 4000 digital display, Model 4000-___, as manufactured by FORCE FLOW, 1150-D Burnett Avenue, Concord, CA 94520 USA (www.forceflow.com).

Model Numbers:

PLATFORMS:

TUF-COAT Platform:	Model No. (Capacity lbs)	Metric Model (Capacity kgs)
	27-DR4DS (400 lbs)	27-DR2KDS (200 kilo)
	27-DR6DS (600 lbs)	27-DR3KDS (300 kilo)
	27-DR8DS (800 lbs)	27-DR4KDS (400 kilo)
	27-DR10DS (1,000 lbs)	27-DR5KDS (500 kilo)
Stainless Steel Platform:	Model No. (Capacity lbs)	Metric Model (Capacity kgs)
	27-DR4DSS (400 lbs)	27-DR2KDSS (200 kilo)
	27-DR6DSS (600 lbs)	27-DR3KDSS (300 kilo)
	27-DR8DSS (800 lbs)	27-DR4KDSS (400 kilo)
	27-DR10DSS (1,000 lbs)	27-DR5KDSS (500 kilo)

INDICATOR:

4000-1	1-Channel
4000-2	2-Channel
4000-3	3-Channel
4000-4	4-Channel



File: _WEB\SPECS\SPC55GWZ
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55-Gallon DRUM/WIZ
09/03/03