

**TYPICAL SPECIFICATION
SOLO[®] XT
55-GALLON DRUM SCALE**

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

A quantity of _____ drum scales shall be provided and shall be of the digital readout/hydraulic load cell type. For redundancy, each weighing platform shall have a sole and separate weight indicator with no shared components. Scale shall be sized to accept drums or carboys from 18" (457mm) to 24" (610mm) in diameter. Platform height shall be no more than 2" (51mm) to allow for easy handling 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 hydraulic load cell design. Load cell shall be of the temperature stable, rolling diaphragm type. Flexible tubing shall connect load cell to indicator to allow easy remote installation of the digital indicator. Tubing length shall be _____ ft. (meters) (6'2M standard) in length.

Indicator shall utilize CROSS TECHNOLOGY to convert the hydraulic load cell signal into a digitally displayed weight value. Indicator shall be battery operated and shall not rely on any type of external power for display operation. Batteries shall provide approximately 4000 hours of display time. Indicator shall be housed in a NEMA 4X enclosure with 6 function keys for indicator operation. Net weight shall be displayed in two ways: A numerical display and .81 inch high characters, and an analog 0-100% bar graph display. A third display line shall prompt the user through routine user operations.

User shall be able to set the net weight either by scrolling in the net chemical weight, or scrolling in the tank tare weight. A menu key shall provide access to the following 5 functions: 1) Zero Indicator, 2) Set bar graph & 4-20mA capacity, 3) Set display auto-off time, 4) Set alarm relay values and 5) Set decimal point.

OPTIONAL 4-20mA ANALOG OUTPUT:

Indicator shall have a Loop-powered (12-36 Volts DC by others) 4-20mA output proportional to Net Weight. An 18" flying lead shall be provided for termination in a user supplied junction box.

OPTIONAL LEVEL ALARM RELAY:

Indicator shall have a .5 amp level alarm set point that can be configured for either a high or low level alarm condition. An 18" flying lead shall be provided for termination in a user supplied junction box.

Scale shall carry a Full Five (5) Year Warranty. "Limited" Warranties shall be considered unacceptable.

Full Scale accuracy shall be better than 1/2 of 1%. Scale shall be DRUMM-SCALE™ with TUF-COAT™ coating and SOLO[®] XT digital display, Model XT___DS___ as manufactured by FORCE FLOW, 1150-D Burnett Avenue, Concord, CA 94520 USA (www.forceflow.com) or equal.

PLATFORM & INDICATOR:

Platform Material:	TUF-COAT		STAINLESS STEEL	
	Pounds	Metric	Pounds	Metric
<u>BATTERY POWERED</u>	XT10DS	XT5KDS	XT10DSSXT5KDSS	
<u>WITH 4-20mA:</u>	XT10DSMA	XT5KDSMA	XT10DSSMA	XT5KDSSMA
<u>WITH 4-20mA & RELAY:</u>	XT10DSMAR	XT5KDSMAR	XT10DSSMAR	XT5KDSSMAR



File: _WEB\SPECS\SPC55GXT 02/03/03
FORCE FLOW 1-800-893-6723
FAX: 925-686-6713 www.forceflow.com info@forceflow.com
55-Gallon DRUM/XT