**TYPICAL SPECIFICATION**

**ECCHO-SCALE™ ULTRASONIC LEVEL SENSOR**

**With SOLO G2™ DISPLAY**

An ultrasonic level sensor shall be provided for each tank. Ultrasonic sensor shall be of the “self-contained” type, outputting a 4-20 mA signal proportional to the tank level. Sensor shall have a range of up to \_\_\_\_\_\_ ft. (meters) (6’/2m,10'/3m or 25'/6m). Sensor shall have a NEMA 4X, PVDF transducer housing and polycarbonate body and shall have \_\_\_\_\_\_ feet (20'/6M standard) of sensor cable.

Indicator shall monitor\_\_\_\_\_\_\_\_\_\_(1 or 2 ) channels. The remote mounted LCD indicator shall carry CE marking and shall be housed in a NEMA 4X, UL approved enclosure. All operations shall be keypad operated & menu driven in order to avoid compromising the NEMA 4X seal at any time. The alphanumeric LCD readout shall have backlighting for readability in low light conditions. Power requirement shall be \_\_\_\_\_\_\_\_\_\_\_\_\_\_(110 VAC, 220 VAC or 24 VDC)

A 6 digit numerical display shall give operator the ability to monitor chemical by weight (lb or kg), volume (gallons or liters) or distance (inches or centimeters). A bar graph display shall read 0-100% for the net contents. A dual mode TARE key shall allow user to enter the tare of the vessel or enter the net amount of the chemical depending on application needs. A diagnostics menu shall allow recalibration without the need to fill or empty the vessel. A user adjustable filter function shall stabilize display in the event of vibration from pumps or mixers in the immediate vicinity.

Indicator shall output net weight via a 4-20mA signal and full scale output shall be user adjustable via the keypad. Indicator shall have four adjustable set points to display low or high level conditions on the indicator.

*OPTIONAL: Set points shall activate \_\_\_\_\_\_ (up to four) Form C dry contact relays rated at 2A@30VDC, 60W max power, 220VDC max voltage.*

Sensor shall carry a Full 3-Year Factory Warranty. “Limited” Warranties shall be considered unacceptable. Accuracy shall be better than or equal to +/- 0.1”. Sensor shall be ECHO-SCALETM Model DR-5\_\_80, with electronic SOLO G2 digital display Model SRG2\_\_\_\_ (1 or 2 channel), as manufactured by FORCE FLOW, 2430 Stanwell Drive, Concord, CA 94520 USA (www.forceflowscales.com).

Model Numbers:

INDICATOR: **SRG2-1** One-Channel

 **SRG2-2** Two-Channel

Model Numbers:

 Model Range Feet of Cable

SENSOR: **DR-5280 1' - 20' (30cm - 610cm) 20'/6m Cable (Std)**

 **DR-5180 1' - 10' (30cm - 305cm) 20'/6m Cable (Std)**

 **DR-5080 4”-79” (76mm-2006mm)**

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

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