**TYPICAL SPECIFICATION**

 **HYPO TRAK™ with ECHO-SCALE™ ULTRASONIC LEVEL SENSOR**

SPECIFICATION SECTION 11245 - Chemical Feeder Accessories
SPECIFICATION SECTION 11240 - Chemical Feed Monitoring

ULTRASONIC SENSOR: 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.

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 anytime. The alphanumeric LCD readout shall have backlighting for readability in low light conditions. Power requirement shall be \_\_\_\_\_\_\_\_( 110 VAC, 220 VAC or 24 VDC).

Numerical display shall have 6 full active digits and adjustable bar graph to display remaining hypochlorite in lbs or gallons. In addition, indicator shall display hypochlorite concentration, hypo feed rate, age of hypo in days and equivalent lbs of pure chlorine gas. 3 user programmable degradation curves shall be available for various temperature conditions and/or hypochlorite characteristics. Indicator shall output net inventory via a 4-20mA signal for remote monitoring. Indicator shall display and have relay contacts available for the following alarm conditions: High Chlorate Warning, Vapor Locked Pump, Low Level and High Level.

Sensor shall carry a 3-Year Year Factory Warranty. “Limited” Warranties shall be considered unacceptable. Accuracy shall be better or equal to +/- 0.1”. Sensor shall be ECHO-SCALE Model
DR-5\_\_\_80, and digital display shall be HYPO TRAK Sodium Hypochlorite monitoring system Model HT1, as manufactured by FORCE FLOW, 2430 Stanwell Drive, Concord, CA 94520 USA ([www.forceflowscales.com](http://www.forceflowscales.com)).

Model Numbers:

 Model Range Feet of Cable

SENSOR: **DR-5080** 4" -79"(102mm - 1975mm)20'/6m Cable (Std)

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

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

INDICATOR: **HT-1** 1 Channel

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