04/19/2011		1:12PM	Scale #1
Net	**-110**		Scale #1
Target	Dribble	Preact	Near Zero
200.0 Lb	75	0.0	10.0

Slow Dispense

Consec. #	Subtotal	Total
23	1687 Lb	3468 Lb

Pre Sets	ID #1	ID #2	Totals	Setup Menu

Dispense Screen

920i® FlexWeigh103
LOSS-IN-WEIGHT DISPENSING CONTROLS

Dispensing Materials
Print, Tare, Weigh (2 Speed Dispense), Print, Hold (Refill, Hold)

Use the following steps to dispense material from a scale.

1. Press the Start button on the unit. The system verifies the E-Stop button is pulled out and a valid target weight has been entered.

2. The system verifies the weigh to make sure it's above the target weight and above the low level weight. If the weight is below the low level weight, it will refill the scale to the high level weight. When the weight reaches the high level weight, the refill output will turn off. The operator then may press the Start button to start the dispensing material.

3. The system does the following during this process.
   - Turns off the Dispense Complete and Refill Complete outputs
   - Increments the consecutive number by one
   - Tares the scale to zero (net mode)

4. The system begins dispensing either of three speeds while the 920i screen displays real time sequence progress. The displayed net weight will continue showing more negative as weight is dispensed, until the target weight presets are achieved.

Those three dispensing speeds include:
   - Single speed dispensing - The system turns on fast dispense until the target weight/preact weight is satisfied.
   - Parallel speed dispensing - Turns on the fast dispense and slow dispense until the dribble weight is satisfied. The system then turns off the fast dispense and leaves the slow dispense on until the target weight/preact weight is satisfied.
   - Dual speed dispensing - Turns on the fast dispense until the dribble weight is satisfied. The system turns on the slow dispense until the target weight/preact weight is satisfied.

5. The system does the following when the target/preact is reached.
   - Turns off the output based on the dispensing mode
   - Update the subtotal weight and number of dispenses
   - Updates the total and number of dispenses
   - Turns on the Dispense Complete output.

6. The system delays for the Delay After Dispense time before it exits the sequence and ready for the next dispense.

Application:
The 920i FlexWeigh 103 is designed for applications where a preset target weight is repeatedly dispensed from a tank or hopper scale. The system maintains weight within high and low limits to guarantee enough content for a complete dispense cycle. Press Start and the system automatically tares the scale, begins the loss-in-weight dispense, and stops as programmed—all while transmitting and storing the accumulated weight totals.

Standard Features:
- Stainless Steel NEMA 4X enclosure
- Pre-programmed and configured 920i HMI Indicator/Controller
- Heavy-duty push buttons and switches E-stop, Start, Reset/Resume
- Built-in safety interlocks prevent cycle start if not enough weight is in the scale to complete a target weight dispense.
- (3) 2amp, 120 VAC feed output (fast feed, slow feed and refill)
- Emergency stop which can be resumed at any point
- Auto Tare on START
- Auto Print and Weight Total

Options:
- Switches for manual-override control
- Large-diameter pilot lights
- 120 VAC outputs for: Dispense Complete, Slow Cycle, and Refill Complete
- Customized software and hardware configurations

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