

OPTION TYPE 11 BRINE % OPERATING INSTRUCTIONS

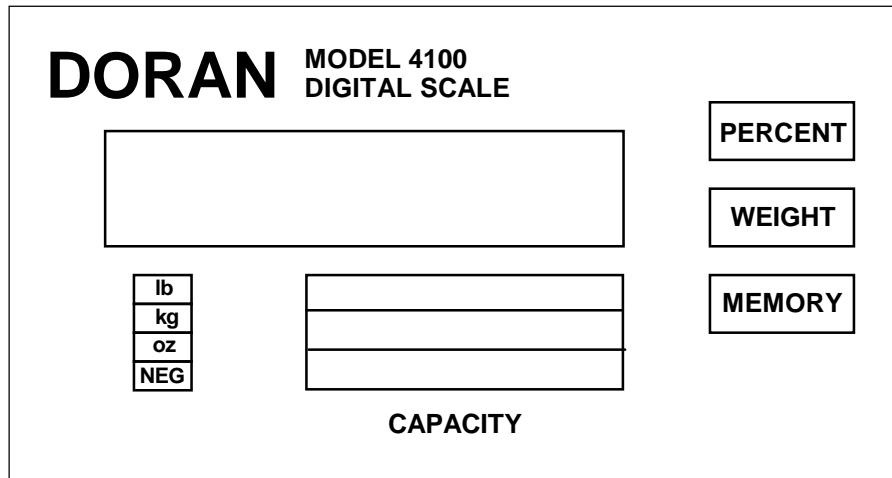
Description:

This procedure describes the operation of the brine % pumping software for the Model 4100.

This applies to 4100s with M41*PB software.

This software provides automatic percent calculation of the brine that is injected into meat products.

The option can be set up to operate in a fully automatic mode or a manual mode.



Automatic Mode Instructions:

1. Place product to be injected or filled on the scale. The **MEMORY** lamp will turn on then the **PERCENT** lamp will turn on also. The digital display will change from weight display to percentage.
2. Fill or inject to the desired percentage.
3. Remove the completed product from the scale. The scale will reset back to weight display.

Manual Mode Instructions:

1. Place product to be injected or filled on the scale.
2. Press and release the ZERO/MEMORY switch to enter the beginning weight. The **MEMORY** lamp will turn on.
3. Press the WEIGHT/PERCENT switch to switch to the percent display. The **PERCENT** lamp will turn on and the digital display will change to percent.

The WEIGHT/PERCENT switch will alternate between weight display and a percentage display.

4. Fill or inject the product to the desired percent.
5. To clear the memory, press and hold ZERO/MEMORY until the **MEMORY** lamp turns off.

Note: Some scales will have an optional AUTO/MANUAL switch that allows the user to switch between automatic operation and manual operation.

Dip Switch Settings For Brine % Software: SW3

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Weight Units	SW3-1	SW3-2	Settings to set up the weight display upon power up.
LB	0	0	
KG	1	0	
OZ	0	1	
LB & OZ	1	1	Accesses the internal count display which is used during calibration.
Display Option	SW3-3		
Normal	1		
Internal Counts	0		
Percent Display	SW3-4		Selects percent display of the starting or unpumped weight.
100%	0		
0%	1		
Polarity of Percent	SW3-5		Selects the polarity of the percent display. In Absolute mode, negative percents will not display.
Plus/Minus %	0		
Absolute %	1		
Time Delay	SW3-6	SW3-7	Selects time delay when weight display switches to percent display. For Automatic Operation only.
0 seconds	0	0	
1 second	0	1	
2 seconds	1	0	
3 seconds	1	1	
Auto/Manual	SW3-8		Selects manual or automatic operation. Set to Manual when an external AUTO/MANUAL switch is used.
Manual	0		
Automatic	1		

External Switch Connections:

Switch Function	Connector	Switch Assy. Part No.
Zero/Memory	J4, pins 1 & 2	4100-006, Momentary pushbutton
Weight/Percent	J4, pins 3 & 4	4100-006, Momentary pushbutton
Auto/Manual	J3, pins 4 & 5	4100-006B, Alternate Action pushbutton

- A. Option 11A, Automatic Pump includes firmware and brine display assembly.
- B. Option 11B, Manual Pump includes ZERO/MEMORY (standard zero switch assembly) and WEIGHT/PERCENT switches, brine display assembly, and firmware.
- C. Option 11C, Auto/Manual Pump includes only the AUTO/MANUAL switch.

Notes: 1. Options Type 11B and 11C are required for external selection of Auto or Manual modes.
2. Units conversion switch is not available with the Option 11 Brine / Percent option.