

# What's New in PM Calculation Blocks for the FloBoss™ 107?

## Version 4.01.00



### FOR() function added to facilitate repeated calculations for a data set

The FOR function allows the same calculation to be performed on individual values that are assigned as an array in an input. The program saves the results to individual registers and indexed from the defined starting point of the Output Definition.

In the example to the right, there are eight values loaded into Input A starting at Data 1 in Softpoint 1. The FOR loop is executed eight times and the results are stored in the Data points of Softpoint 1, starting at Data 11.

### Rearranged function descriptions on calculation blocks display

The second tab of the Calc Blocks screen provides greater detail of the function descriptions and examples.

FOR FOR Loop Solves X times with X array elements FOR(Math, # Calcs) FOR((A:1\*18/10)+32,10)

Calc Blocks | Supported Functions

Input Variables				
	Description	Input Definition	Qty in Array	Value
A	Celsius	SFP 1, DATA1	8	
B		Undefined	1	0.0
C		Undefined	1	0.0
D		Undefined	1	0.0

Calculation

Enter Calculation String <= 40 Chars Validated Error Number Char

X = FOR(( A : 1\*18/10 )+32 , 8)  0

Y =   0

Z =   0

Results

	Description	Value	Output Definition
X	Fahrenheit	293.3058	SFP 1, DATA11
Y		0.0	Undefined
Z		0.0	Undefined

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D352505X012 / Printed in USA / 08-16

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