

SP7-1 Pressure measurement conversion

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Additional internal memory:

F8:0 temporary real to hold intermediate results

Equation to convert PT101_RAW into the pressure in PSI:

$$PT101_PSI = (PT101_RAW - 6241 / 24965.0) * 85.0 + 15.0$$

SUB

Subtract

Source A

I:1.0

0.0<

Source B

6241.0

6241.0<

Dest

F8:0

0.0<

DIV

Divide

Source A

F8:0

0.0<

Source B

24965.0

24965.0<

Dest

F8:0

0.0<

MUL

Multiply

Source A

F8:0

0.0<

Source B

85.0

85.0<

Dest

F8:0

0.0<

Current tank level

in inches

PT101_PSI

ADD

Add

Source A

F8:0

0.0<

Source B

15.0

15.0<

Dest

F12:2

0.0<

<END>