

2455 Piston Gauge Monitor, Setup in COMPASS for Pressure software

FLUKE®

Calibration

This procedure is intended for Fluke Calibration customers with COMPASS for Pressure Calibration software and 2455 Piston Gauge Monitor and 2400 series piston gauge

Purpose

This document instructs how setup a 2455 Piston Gauge Monitor in COMPASS for Pressure calibration software.

Notes

See 2455 Piston Gauge Monitor user manual and COMPASS for Pressure online help file

Instructions

First try to find an example setup that is in the hidden example database (updated from the default.mdb file)

- [Setup], <Support Device>
- Click new icon (blank white piece of paper)
- Choose “Ruska” as Manufacturer and “2455” as Model, then click the binoculars icon to the right to search the example database
- Double-click on a 2455 example setup, then click [OK] on the pop-up window reminding you to double-check the settings
- Go through the various tabs verifying the settings and values.

Header tab; Serial Number, Identification or Customer ID is required for an “Individual” device

Support Device Editor

Record Label: 2455 PG Monitor

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Header | Calibration | Communications | Output | Set | Comment

Support Device Type: Simple Device

Record Type: Individual

Manufacturer: Ruska

Model: 2455

Serial Number: 49044

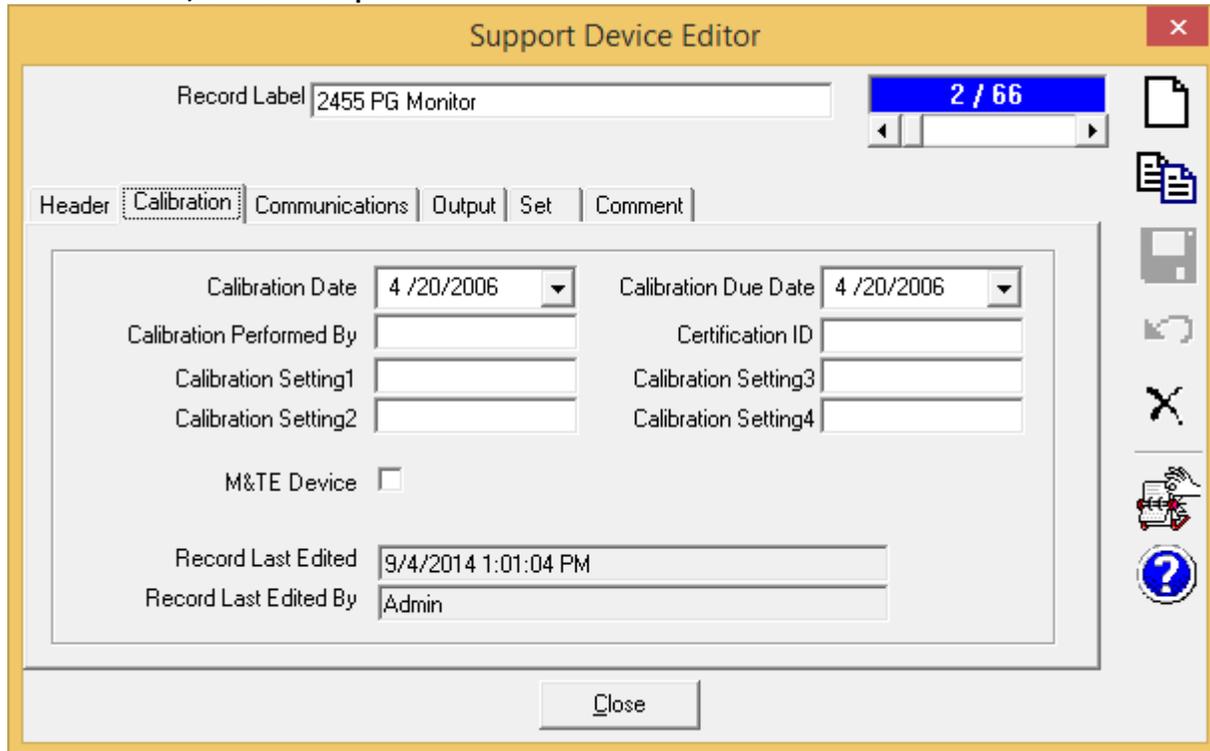
Identification:

Customer ID:

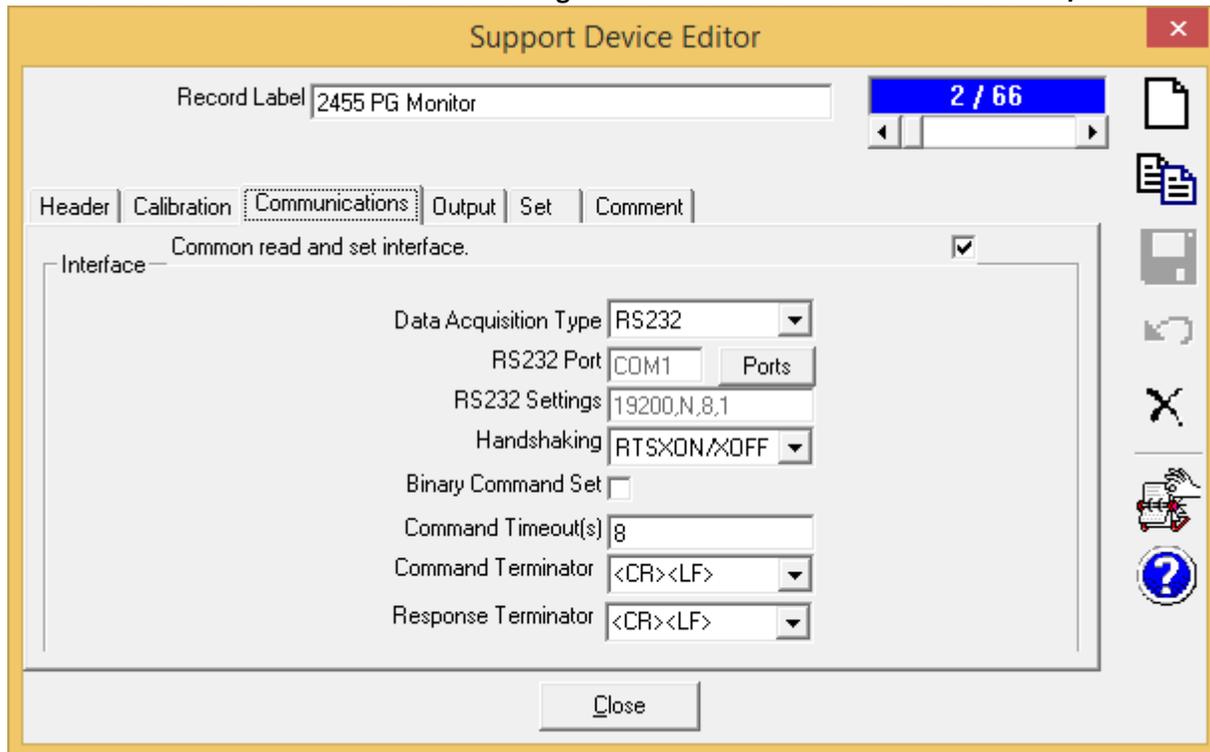
This device can be used as a DUT.

Close

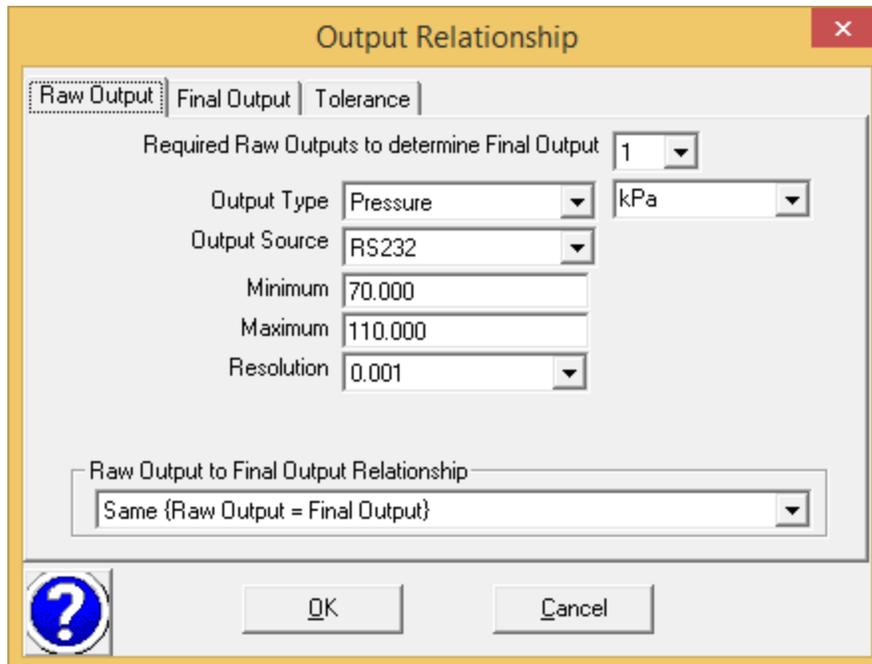
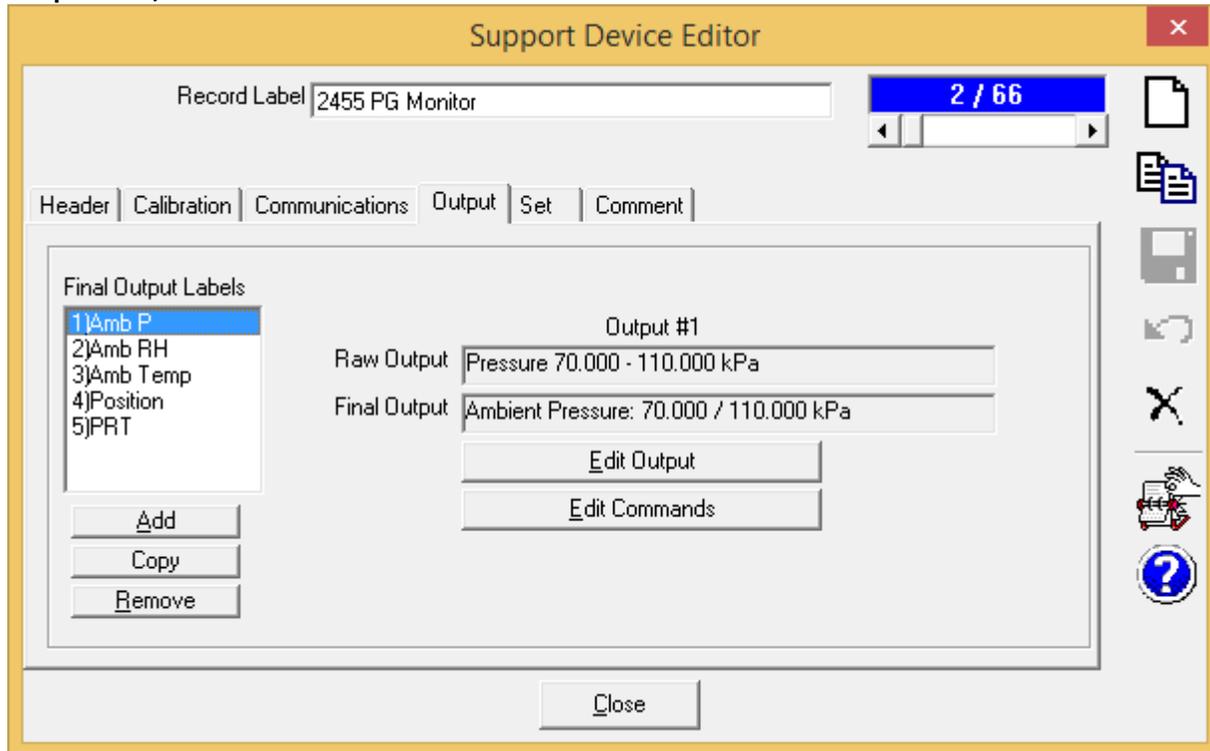
Calibration tab, entries are optional



Communications tab. NOTE: The Handshaking selection is critical. It must be set to RTS/CTS



Outputs tab, Ambient Pressure



Output Relationship [X]

Raw Output | **Final Output** | Tolerance

Label:

Output Type:

Final Output:

Pressure Measurement Mode:

Unit:

Minimum:

Maximum:

Resolution:

[?] [OK] [Cancel]

Output Relationship [X]

Raw Output | Final Output | **Tolerance**

Number of Tolerance Segments:

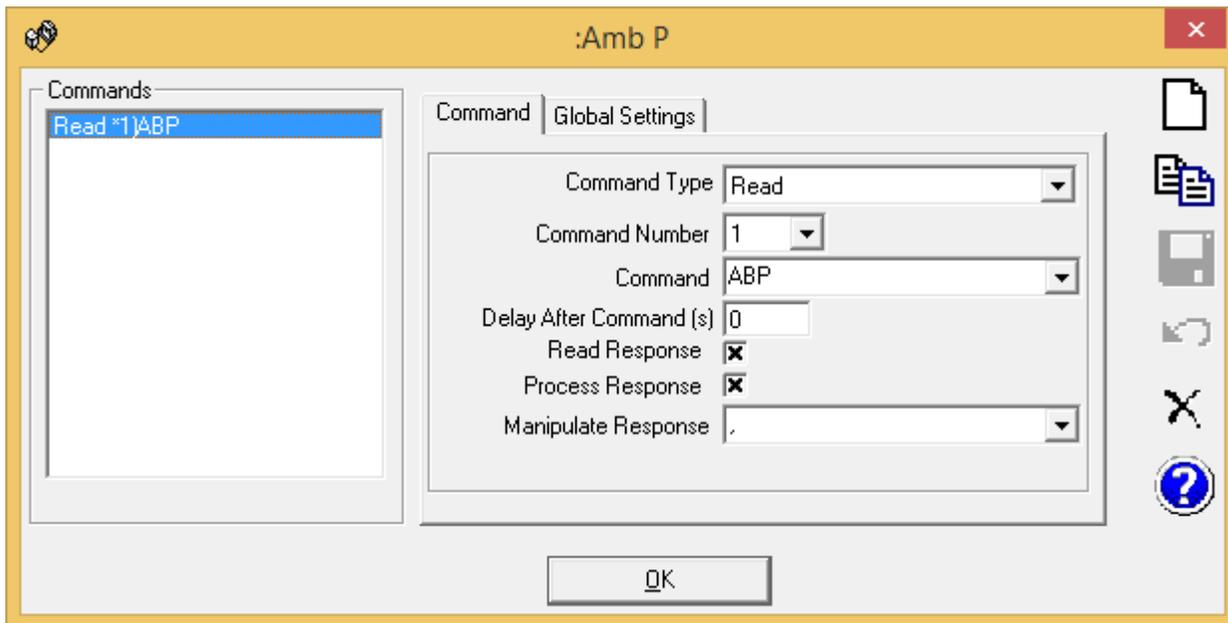
Segment Tolerance:

%Span:

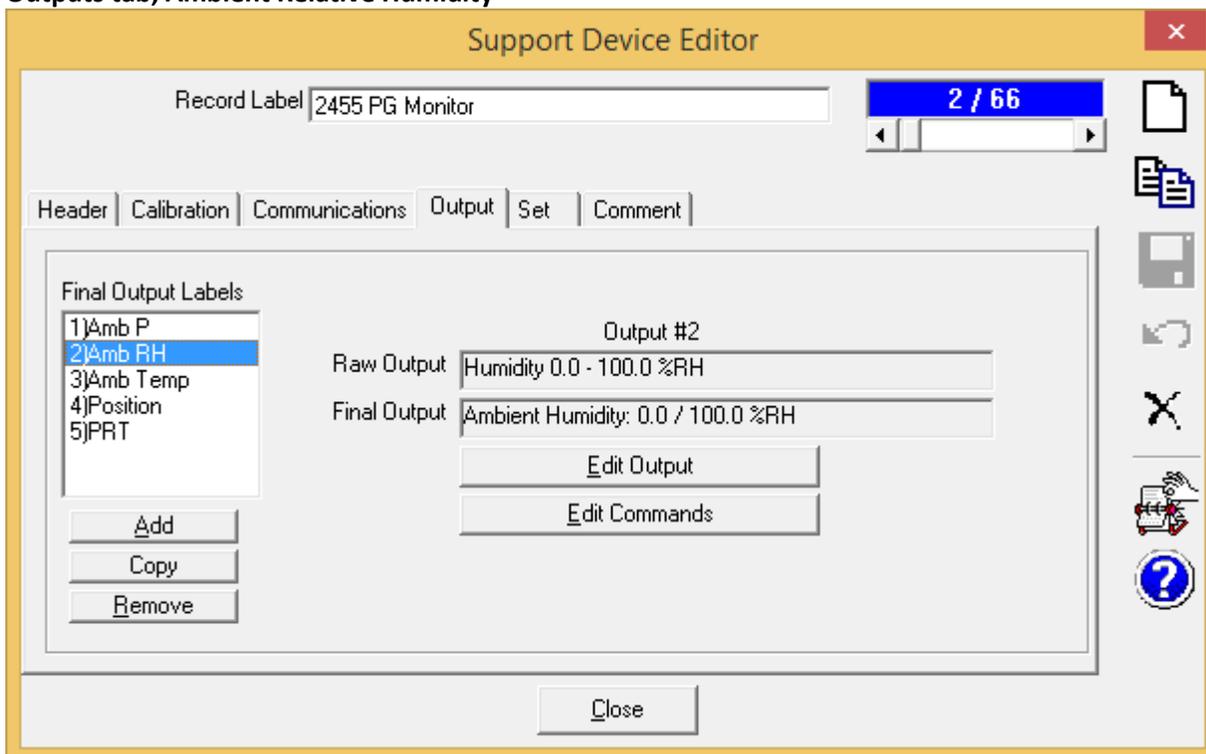
Tolerance Segment Definition:



[?] [OK] [Cancel]



Outputs tab, Ambient Relative Humidity



Output Relationship [Close]

Raw Output | **Final Output** | Tolerance

Required Raw Outputs to determine Final Output: 1

Output Type: Humidity %RH

Output Source: RS232

Minimum: 0.0

Maximum: 100.0

Resolution: 0.1

Raw Output to Final Output Relationship: Same (Raw Output = Final Output)

[Help] [OK] [Cancel]

Output Relationship [Close]

Raw Output | **Final Output** | Tolerance

Label: Amb RH

Output Type: Humidity

Final Output: Ambient Humidity

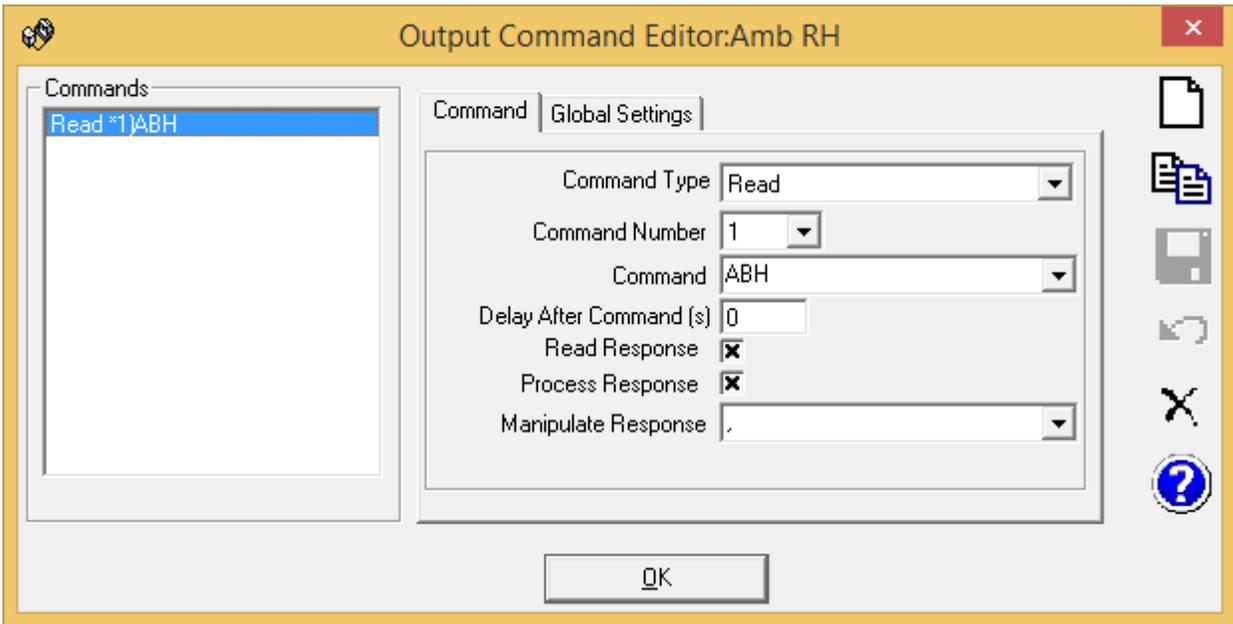
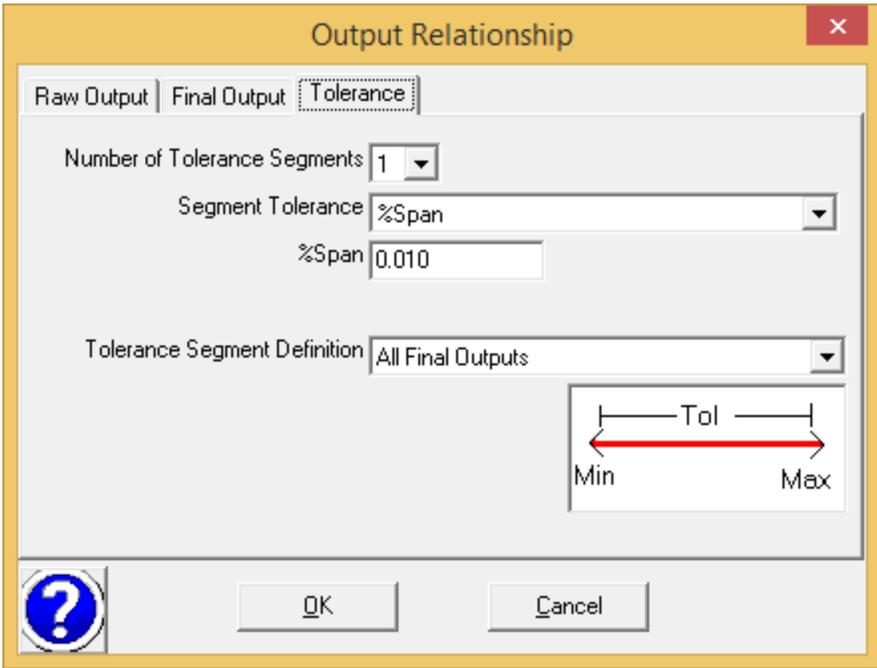
Unit: %RH

Minimum: 0.0

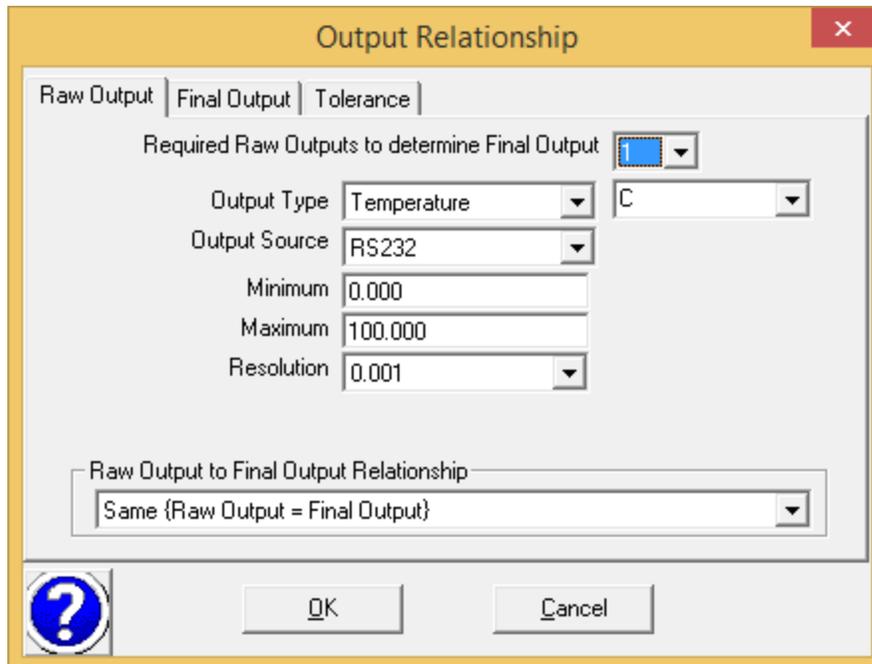
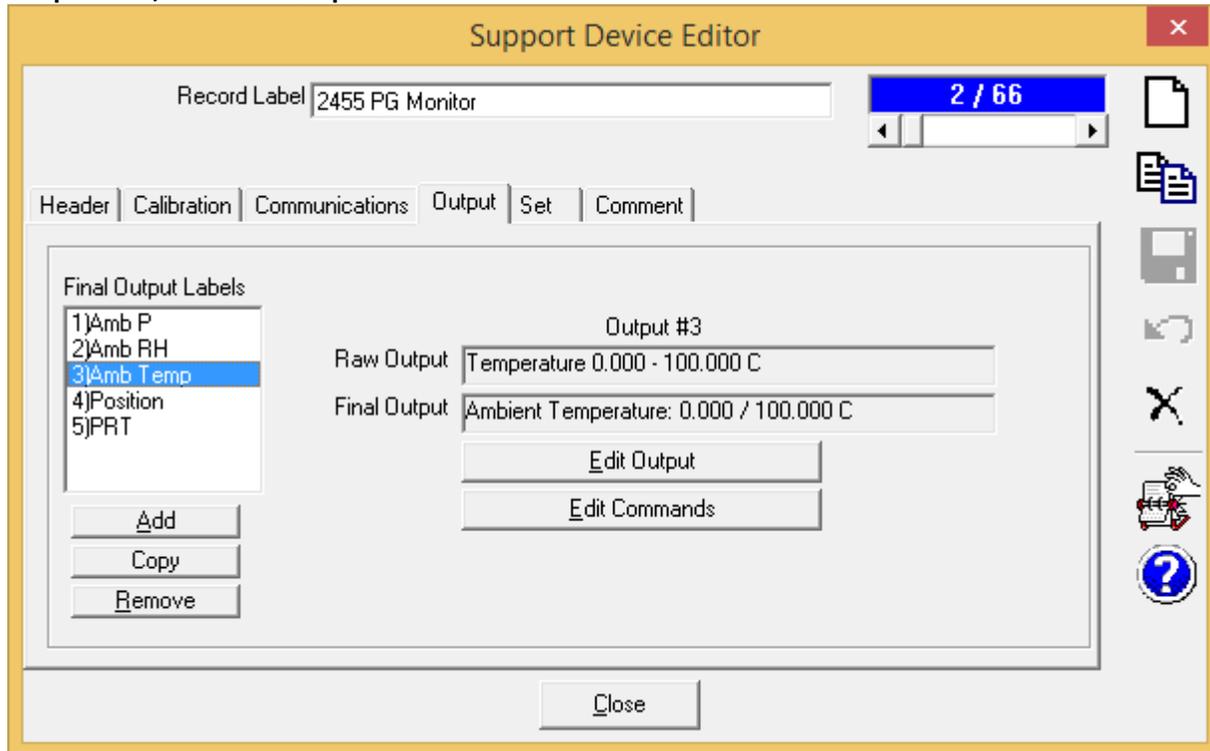
Maximum: 100.0

Resolution: 0.1

[Help] [OK] [Cancel]



Outputs tab, Ambient Temperature



Output Relationship [X]

Raw Output | **Final Output** | Tolerance

Label:

Output Type:

Final Output:

Unit:

Minimum:

Maximum:

Resolution:

[?] [OK] [Cancel]

Output Relationship [X]

Raw Output | Final Output | **Tolerance**

Number of Tolerance Segments:

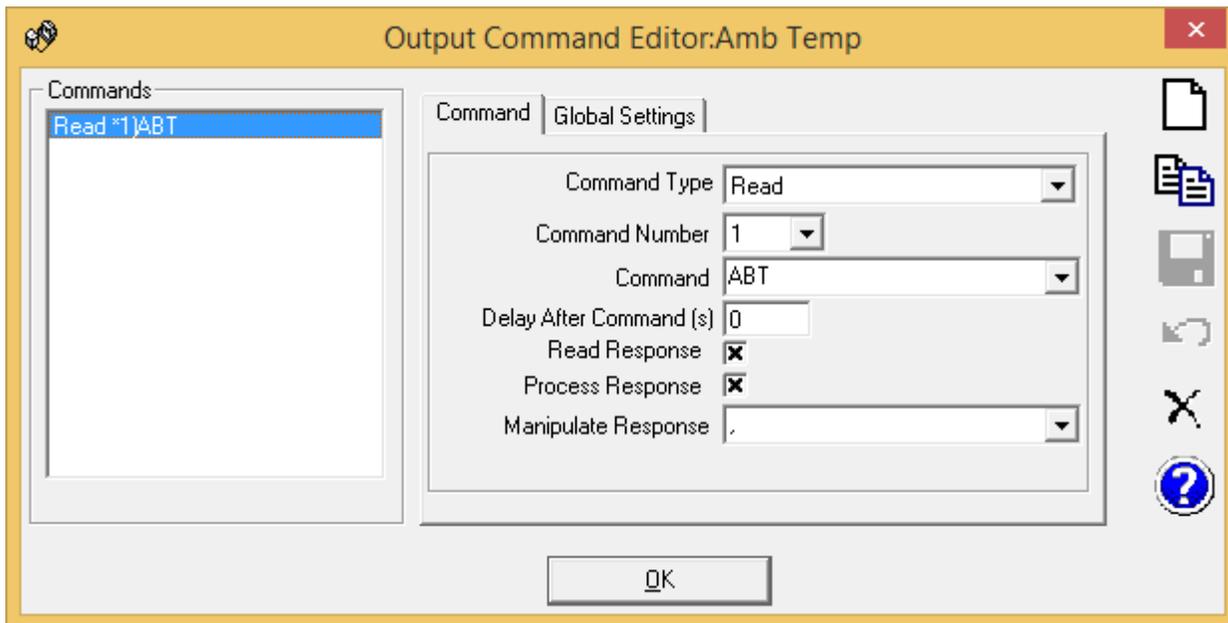
Segment Tolerance:

%Span:

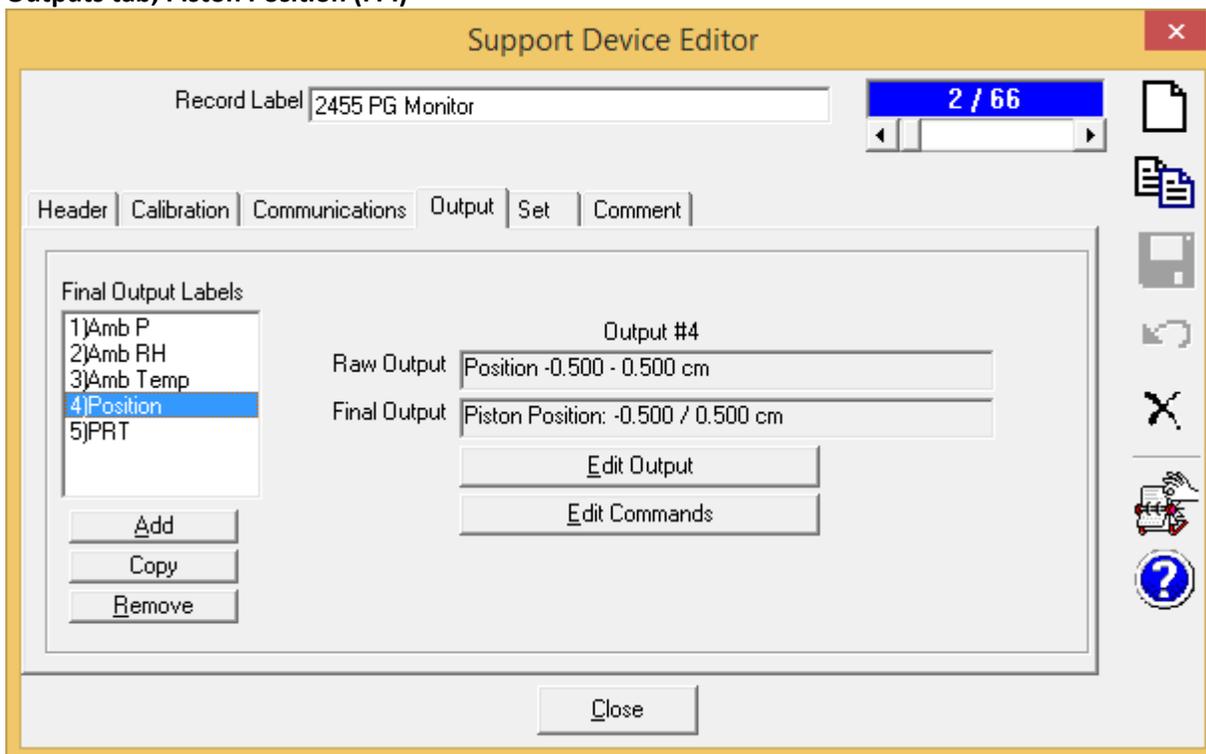
Tolerance Segment Definition:



[?] [OK] [Cancel]



Outputs tab, Piston Position (FPI)



Output Relationship [Close]

Raw Output | **Final Output** | Tolerance

Required Raw Outputs to determine Final Output: 1

Output Type: Position | cm

Output Source: RS232

Minimum: -0.500

Maximum: 0.500

Resolution: 0.001

Raw Output to Final Output Relationship: Same (Raw Output = Final Output)

[Help] [OK] [Cancel]

Output Relationship [Close]

Raw Output | **Final Output** | Tolerance

Label: Position

Output Type: Position

Final Output: Piston Position

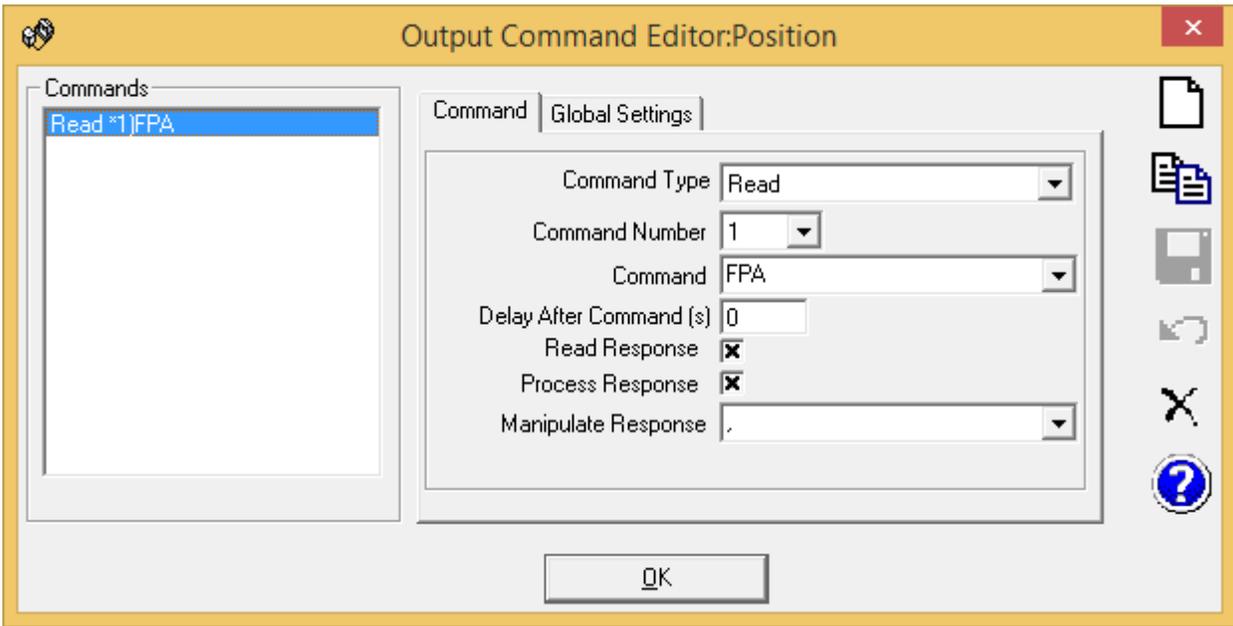
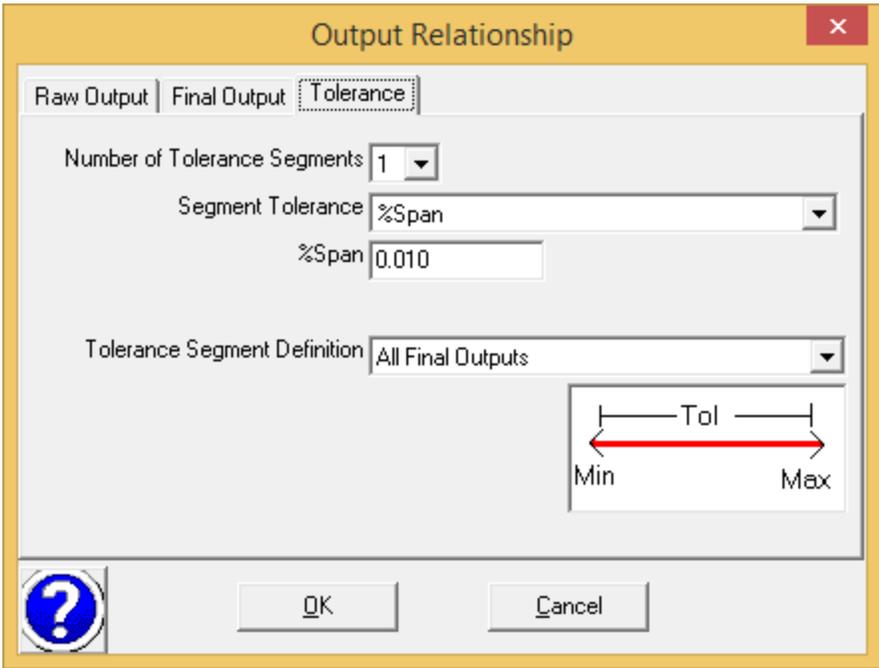
Unit: cm

Minimum: -0.500

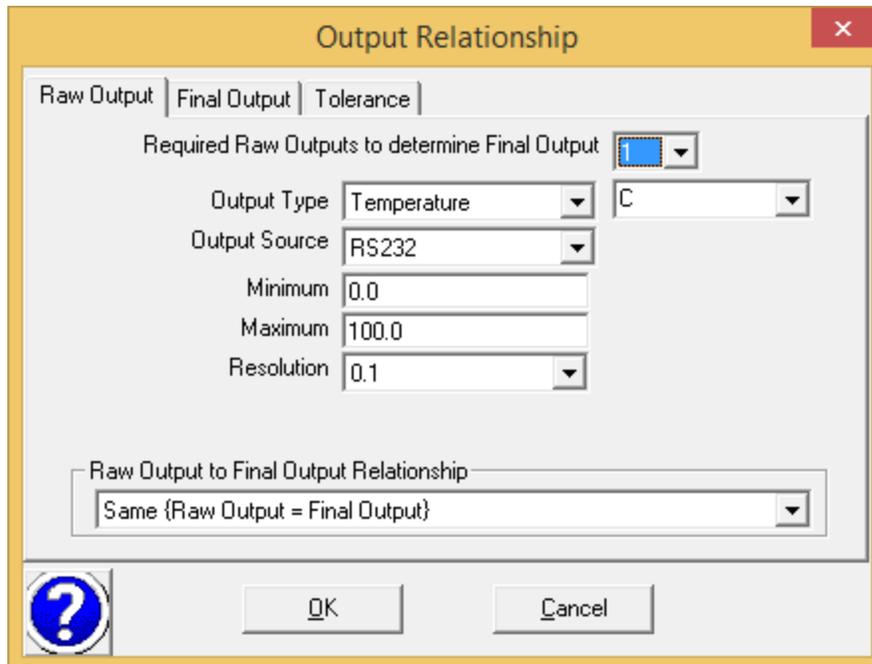
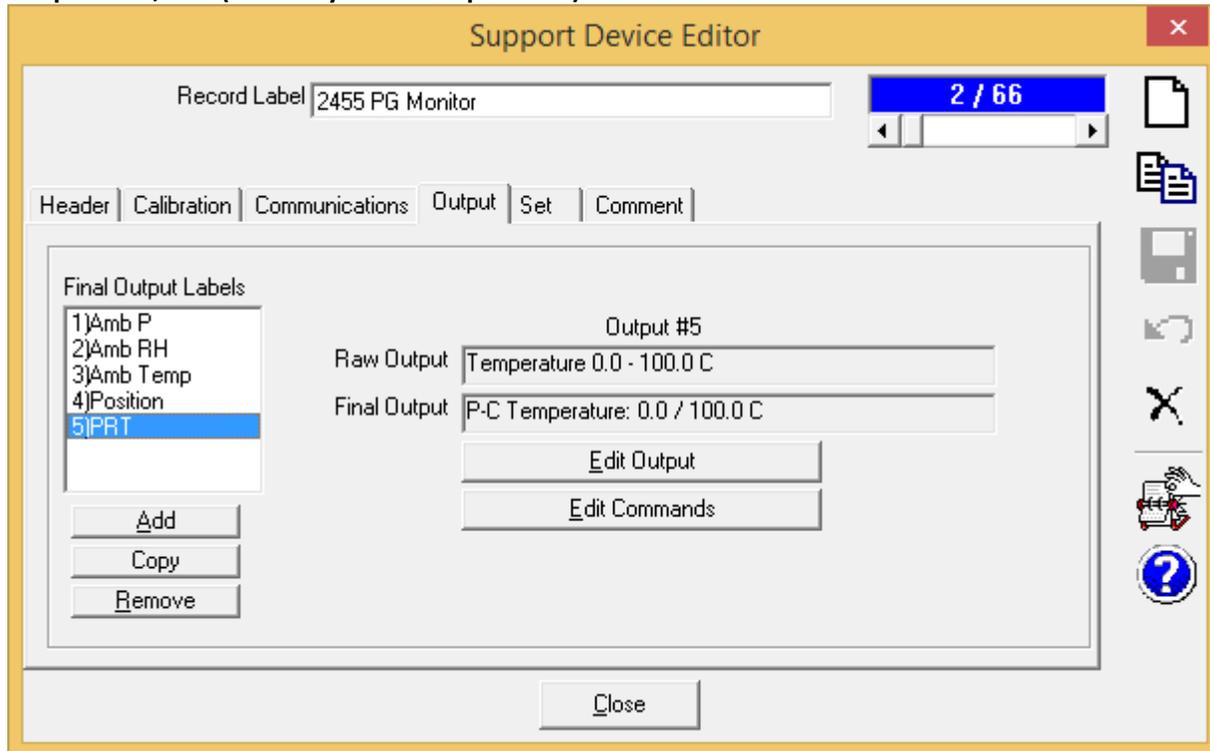
Maximum: 0.500

Resolution: 0.001

[Help] [OK] [Cancel]



Outputs tab, PRT (Piston-cylinder temperature)



Output Relationship [X]

Raw Output | **Final Output** | Tolerance

Label: PRT

Output Type: Temperature

Final Output: P-C Temperature

Unit: C

Minimum: 0.0

Maximum: 100.0

Resolution: 0.1

[?] [OK] [Cancel]

Output Relationship [X]

Raw Output | Final Output | **Tolerance**

Number of Tolerance Segments: 1

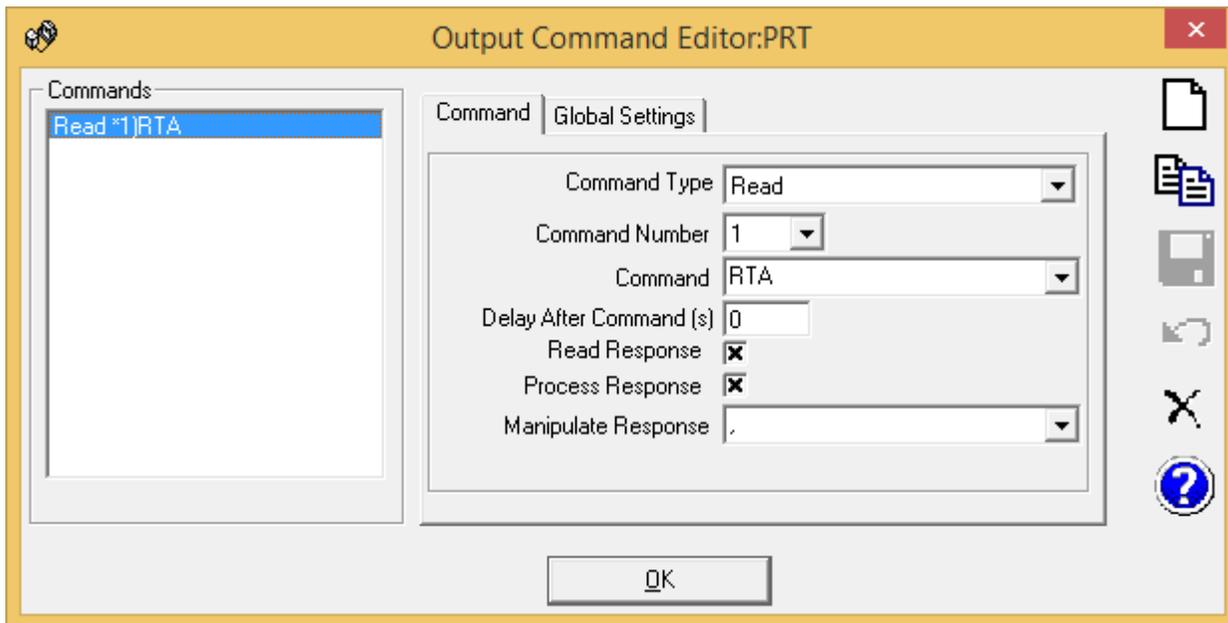
Segment Tolerance: %Span

%Span: 0.010

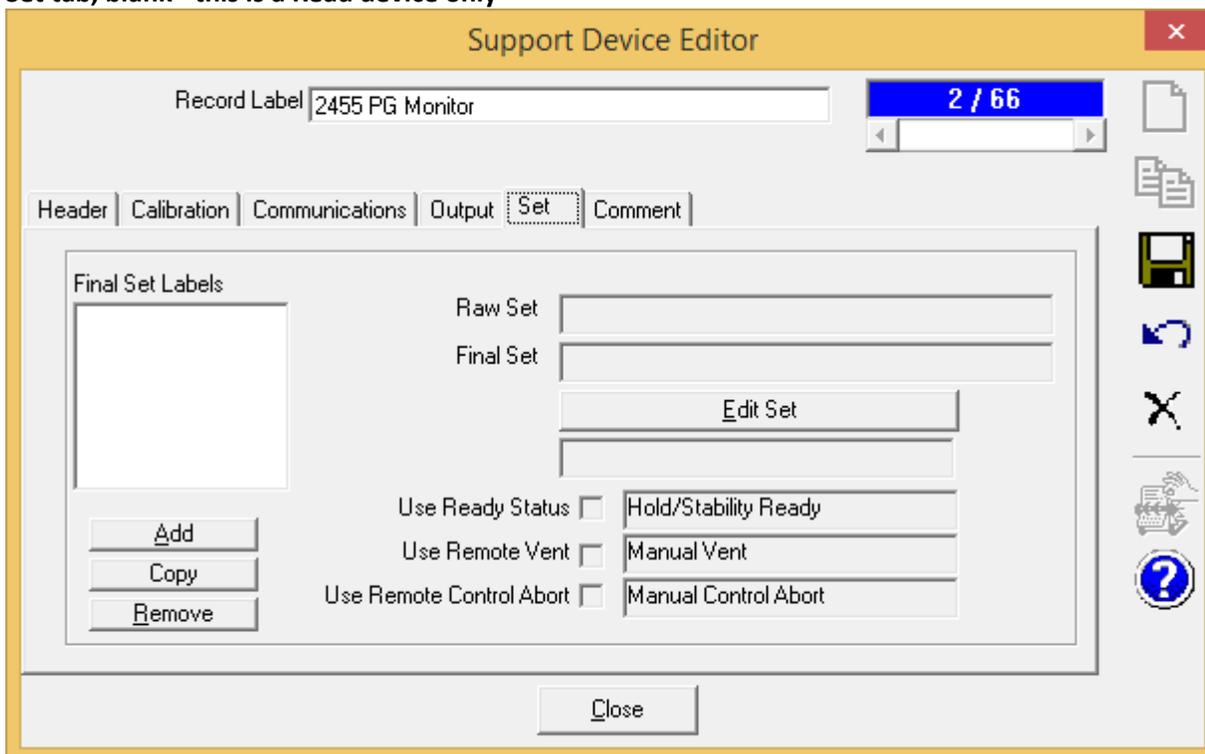
Tolerance Segment Definition: All Final Outputs



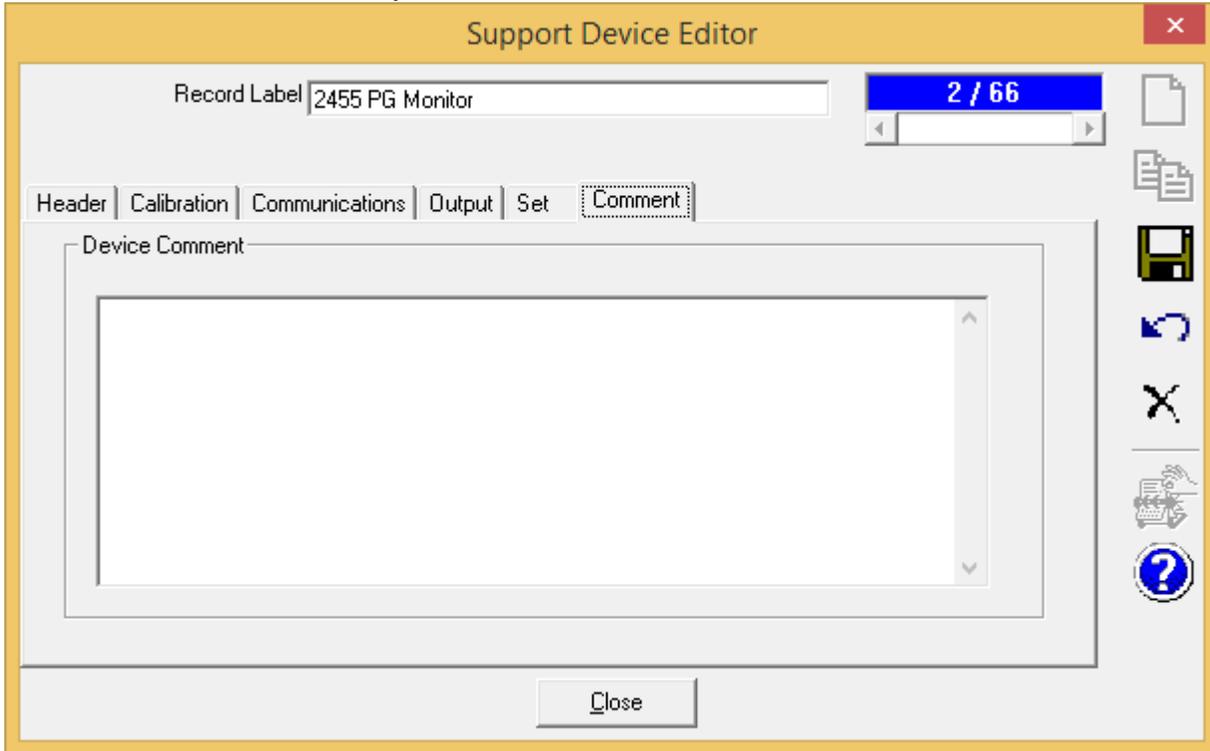
[?] [OK] [Cancel]



Set tab, blank - this is a Read device only



Comments tab, comments are optional



End of Procedure