Troubleshooting Guide: ILM-4 **FOOD**

Please note: This troubleshooting guide is for ILM-4 and ILM-4R models produced after April 2018

ILM-4 Single Point Calibration Procedure

Calibrating using a single solution

1. Make sure you know your critical milli siemens measuring point
2. Obtain good known conductivity reference solution for your operating range
3. Test unit in the reference solution without making any adjustments and record value. Repeat this process three times
4. If the reading is off by the same amount, complete an Offset Adjustment (**See Procedure A**) by using either the push buttons or the MPI-200 Software/Cable
    - An offset adjustment is an addition or subtraction to the value to obtain a linear reading. For example, if the difference is +3mS/cm, the offset would be -3 ms/cm

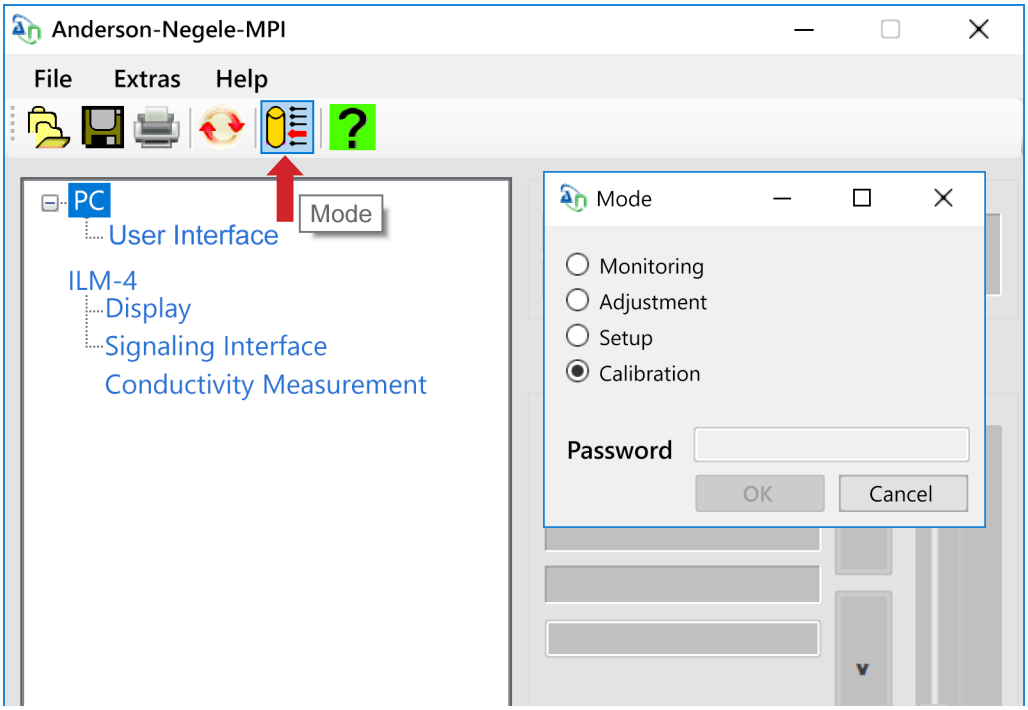
Reference Solution	Sensor Reading	Difference	Offset
20 mS/cm	23 mS/cm	+3mS/cm	3

Procedure A: Changing Offset using push buttons

1. Long right press to Menu
2. Short right press down to Calibr.
3. Long right press to Calibration menu
4. Long right press to Conductivity 1
5. Long right press to highlight
6. Short right press to underscore leftmost digit
7. Long right press to highlight digit
8. Use left and right buttons to change as needed
9. Long right press to unhighlight
10. Short right press to underscore second digit
11. Long right press to highlight digit
12. Use left and right buttons to change as needed
13. Long right press to unhighlight
14. Short right press to highlight all
15. Long right press to Save Data?
16. Short right press for yes
17. Repeat as needed for Cond and Conductivity 2

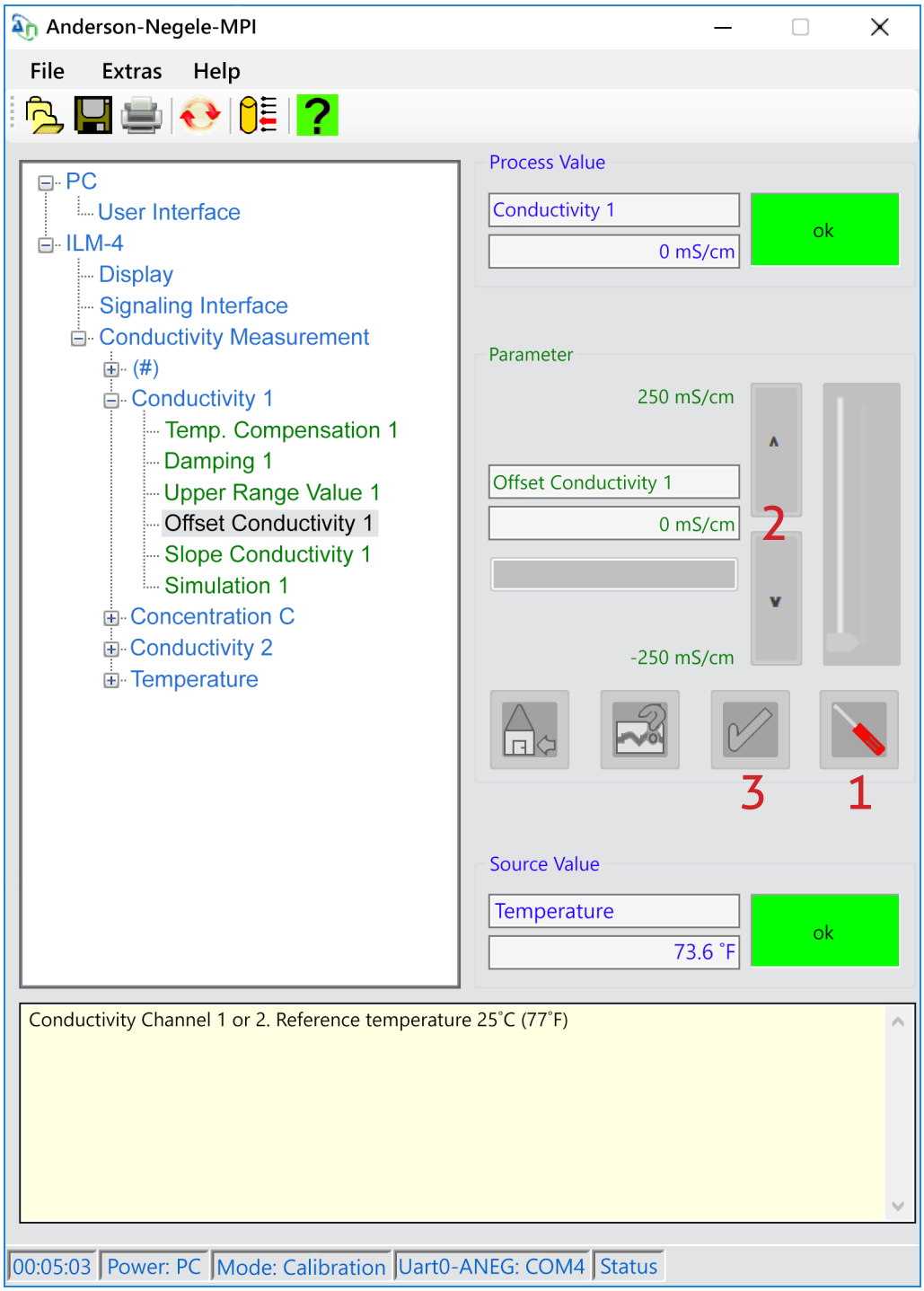
Changing Offset using MPI-200 Software

1. Make sure unit is powered with 24V DC
2. Make sure green board on the adapter is facing towards the connectors on ILM
3. Open Software
4. Click on ILM-4
5. Click on Extras tab on top of screen
6. Select Calibration
7. Enter password (5315)
8. Click OK



Changing Offset using MPI-200 Software (cont'd)

9. Click on Conductivity Measurement
10. Click on Conductivity 1
11. Click on Offset Conductivity 1
12. Select red screwdriver to enable editing (1)
13. Use up and down arrows to adjust range (2)
14. Click on green check mark to save (3)



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