InfraCal 2 ATR-B Quick Start

Factory calibrated analyzer

See Section 4.1.4 in the separate InfraCal 2 Operation Manual for details on the analysis screens.

1. Select “Analysis” and then select the appropriate factory calibration from the table.
2. To set the optional alarm limits, zero expiration, calibration expiration or other parameters in the menu, select “Edit”, then “Next” to scroll through options menus. Select “Done” when complete.
3. Select “Done” again to begin analysis.
4. Clean ATR crystal by putting solvent (hexane, pentane or similar solvent) in the trough and wipe in one direction and allow to dry. Repeat at least 2 times.
5. Select “Zero”. If reading is not zero, repeat cleaning the ATR crystal and select “Zero” again.
6. If reading is still not zero and ATR crystal is clean, select “Set Zero” and “Done”. See section 2.4 for zeroing details.
7. The InfraCal 2 is now ready for sample analysis.

Non-factory calibrated analyzer

See Section 4.1.4 in the separate InfraCal 2 Operation Manual for details on the analysis screens.

Setup

The user will need to set up as “Admin”

1. Select Setup
2. Under “User Name” choose Admin.
3. Select PIN to enter optional security pin. Enter a minimum of 4 digits to maximum of 15 followed by “=”
4. Select “Done”.
5. Clean ATR crystal by putting solvent (hexane, pentane or similar solvent) in the trough, wipe in one direction and allow to dry. Repeat at least 2 times.
6. Select “Zero”. If reading is not zero, repeat cleaning the ATR crystal and select “Zero” again.
7. If reading is still not zero and ATR crystal is clean, select “Set Zero” and “Done”.
8. See section 2.4 for zeroing details.

Calibration

1. Select “Analysis”, then “New”.
2. Name the analysis by selecting the text box.
3. To set the optional alarm limits, zero expiration, calibration expiration or other parameters in the menu, select “Next” to scroll through options menus. Scroll though drop down box to see complete list. When table is displayed, select “Curve”.
4. With the appropriate standards covering the range of analysis, begin generating the calibration.
5. Begin with the lowest standard value. Select “Value” and enter the calibration standard value using the keypad followed by “=”
6. Cover the crystal with the standard and select “Run”. Repeat the standard at least three times. The results will be shown on the left side of the screen. Select the results that will be averaged for that

standard value. If one of the results is significantly different, it should not be included in the calibration. Tap the value to deselect.

7. When complete, select “Add” and the first calibration point will be added to the table.
8. Select “Value” for the next calibration standard and repeat steps 5-7 for the remaining standards.
9. After the last standard, select “Back” to review the table. Adjustments can be made to the table by tapping the appropriate text box and using the keypad.
10. If the calibration is complete, select “Done”. The calibration is now part of the Analysis table.
11. Select “Done” again to begin analysis.

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