

Brief Instructions

ColorPlus 3 Absorption Measuring Instrument

Safety pointers

! It is absolutely necessary to read the Instruction Manual before operating. It is particularly important that the section "General safety pointers" is read and understood.
→ Instruction Manual

Control elements



① Menu key Calls up the menu structure.	② Valu key Numerical representation of the measuring values.
③ Info key Displays the information screen.	④ Diag key Graphical representation of the measuring values.
⑤ Up arrow Goes to the previous page.	⑥ Down arrow Goes to the next page.

Activating/deactivating display

	MANIPULATION					
1.	Press the lock icon at the top left.					
2.	Within one second, press the key at the bottom right. Depending on the initial state, the lock icon changes as follows:					
	<table border="1"> <tr> <td></td><td>Display unlocked</td></tr> <tr> <td></td><td>Display locked</td></tr> </table>		Display unlocked		Display locked	
	Display unlocked					
	Display locked					

Switch to service operation

1.	Press the Menu button.
2.	Set the access code and confirm with OK .
3.	The main menus appear.

Set operating language

1.	Press the Menu button.
2.	Set the access code and confirm with OK .
3.	Press the Configuration button to access the language selection. 1 If the desired menu does not appear, press the arrow bottom right.
4.	Press the language field. The list of all languages appears (factory setting is English).
5.	Apply the desired language by pressing the corresponding field. Pressing ESC cancels the procedure.
6.	Press the Meas button.

Change access code

1.	Press the Menu button.
2.	Set the access code and confirm with OK . 1 Factory setting is 0 .
3.	Press the Configuration button. 1 If the desired menu does not appear, press the arrow bottom right.
4.	Press the button to the right of the Access code description text.
5.	Enter the access code and confirm with OK .
6.	Press the Meas button.

Servicing schedule

WHEN	WHO	WHAT
Annually or as needed	Operator	Clean the measuring cell.
Annually or in the event of a warning	Operator	Replace the desiccant.
Every 3 months or more often (as needed)	Operator	Recalibrate the ColorPlus 3.
Annually or as needed	Operator	Carry out the sensor check.
Every 10 years or as needed	Operator	Replace the battery in the SICON.
Annually or as needed	Operator	Clean the outside of the instrument

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Recalibration the ColorPlus 3

	WORKSTEP
1.	Fill the measuring cell with a zero medium (distilled water). i There must be no air bubbles in the measuring cell during recalibration (low flow, light counter pressure).
2.	Press the Menu button.
3.	Set the access code and confirm with OK. i Factory setting is 0.
4.	Select the Recalibration menu and then press C1. Check whether the nominal value is correct. On instruments with several channels, press the ESC button and check the nominal value on all other channels. Go back to the C1 menu i Typically, the nominal value is set to 0.00 E on instruments that measure in absorbance (Meas. channels\Channel n\Lin/Log on Log). The nominal value is set to 100.0 % on instruments that measure in transmittance (Meas. channels\Channel n\Lin/Log on Lin).
5.	Press the initiate button. Recalibration of all channels is made simultaneously. If the adjustment was successful, this is confirmed with Adjustment OK. Recalibration is now complete. If the adjustment was not successful, this is indicated with Adjust. fault. In this case, check the points in the following list one after the other: - Instrument mounted correctly? - Soiling of the instrument too heavy? - Air bubbles in the measuring cell? - Correct nominal values set? i If the check could not be successfully completed, contact your country representative.

Carrying out the Sensor check

	WORKSTEP
1.	Press the Menu button.
2.	Set the access code and confirm with OK i Factory setting is 0
3.	Press the Sensor check button.
4.	Press the start... button. First, the following message appears: 100% run... The display then changes to: running....
5.	If the check is successful, Check OK is displayed. The actual value now has to match the nominal value (+/- tolerance). If the check is not successful, Check fault is displayed Possible causes of Check fault: - Housing removed. - Excessive absorption in the measuring cell. - Optics soiled. - Defect in the electronic system.
6.	Press the Meas button. The instrument is back in measuring operation.