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## New instructions for intensity adjustment see: service functions –chapter 5.5.6.2 of the Service Manual.

For the BioSpectrometer family 613x and the BioPhotometer D30 6133

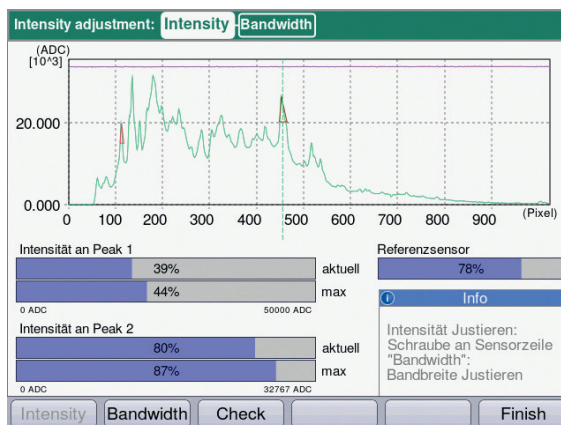
Device	As of serial number
BioSpectrometer basic	6135CL601321
BioSpectrometer kinetic	6136CJ601387
BioSpectrometer fluorescence	6137CJ701337
BioPhotometer	6133CL400223
All repaired devices with a new mirror (6135 866.103)	-

from software version: 3.4.3.0 the following changes must be observed.

Previous procedure:

### Intensity

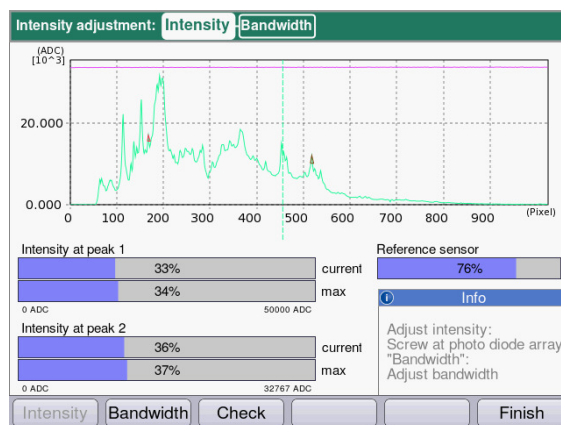
- The display continuously shows the light intensity of the sensors.
- One peak from the spectrum is shown in addition to the intensity of the reference sensor.
- The upper bar shows the intensity of the current measurement and the lower bar shows the maximum intensity since the function was accessed.
- Peak 2 must have an intensity of at least 29%.
- The spectrum (green) may not exceed the red saturation line.
- The tip of peak 2, marked in black, must be on the green reference line.



New requirements:

### Intensity

- The display continuously shows the light intensity of the sensors.
- One peak from the spectrum is shown in addition to the intensity of the reference sensor.
- The upper bar shows the intensity of the current measurement and the lower bar shows the maximum intensity since the function was accessed.
- Peak 2 must have an intensity of at least 29%.
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The marker of peak 2 is no longer required to be on the green vertical line. It may occur that the marker is outside this reference line, as shown in the figure.

This curve representation is used to adjust the light path and does not indicate a non-functioning BioSpectrometer / Photometer. The device calibration with the filter kit is the only permitted test procedure. See: 5.6.4.1 "Spectrometer unit" customer service function.

If the BioSpectrometer / Photometer does not pass this test, optical adjustment is required. Carry out this adjustment as described in chapter 5.5.6.1 Service function – "Optical Adjustment". If during pixel wavelength adjustment, the error message: "The measured values are not strictly monotonous!" occurs, first check the BioSpectrometer for external damages and then test the liquid filter in a functioning device.

The concluding device calibration must be carried out with the BioSpectrometer customer reference filter set (order no. 6135 928.001) or the service test filter set (order no. 6135 931.002).