Verification Kit for
AMI Photometers

A-85.151.100 Verification-Kit AMI Photometer; short
A-85.151.110 Verification-Kit AMI Photometer; long

swan
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Verification Kits

The Verification Kit A-85.151.100 is used for:
– AMI Codes
– AMI Codes TC
– AMI Codes-II
– AMI Codes-II CC
– AMI Codes-II TC
– AMI Phosphate-II
– AMI Phosphate HL

The Verification Kit A-85.151.110 is used for:

– AMI Silica

Product Description:

An optical window with a precisely determined absorbance value is placed into the light beam of the photometer. The actual measured absorbance will be compared to the reference value labeled on each kit.

General requirements:

The Verification procedure is implemented in:

- Firmware of AMI Codes and AMI Codes TC > 4.20 11/08
- Firmware of AMI Codes-II, AMI Codes-II CC and AMI Codes-II TC
- Firmware of AMI Phosphate-II, AMI Phosphate HL
- Firmware of AMI Silica

Set reference value:

Prior to performing the verification set the reference value, e.g. 0.242, in menu **<Installation\Sensors*Verification reference value*>**.
The reference value is printed on the label of each Verification Kit. For the:

- AMI Codes/Codes-II photometers use the DPD value, e.g. 0.242
- AMI Phosphate-II photometers use the PO4 value, e.g. 0.274
- AMI Phosphate HL photometers use the PO4-HL value, e.g. 0.252
- AMI Silica photometers use the SiO_2 value, e.g. 0.210

Verification procedure:

Note: Start any time, if a measuring cycle is in progress wait for next prompt.

⇒ *An exception is AMI Silica which issues an alarm if the measurement is interrupted during the peristaltic pump is running.*

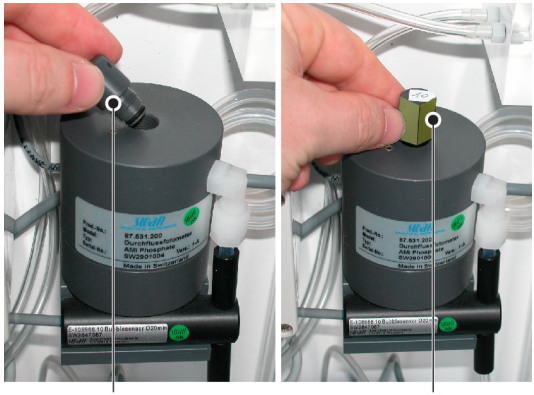
1) Enter the menu <Maintenance/Service/Verification> and follow the dialog.
2) Stop sample flow by closing regulating valve. Wait for next prompt: Constant head will be drained and an automatic zero will be defined.
3) Open the photometer and insert the verification filter. Press <Enter> to continue.
   ⇒ *details see on the following page*
4) Align the triangle shape either to the front– or backside and adjust for minimal absorbance (see AMI Display).
   For AMI Silica align the slot towards to the front and adjust for minimal absorbance (see AMI Display).
5) Press <Enter> to save the verification measurement. The verification is successful if the difference is within the limits. Press <Enter> to continue.
6) Remove the verification filter, close the photometer and open the regulating valve.
7) Press <Enter> to finish and <Exit> to the main display.

Verification history:

See menu diagnostics in the corresponding manual .

Notes:

- Measuring cycle : approx. 30 sec. for AMI Codes / 2,5 min. for Codes TC.



The following procedure applies for all types of photometer.

1. Remove the cover [A] from the photometer.
2. Insert the verification filter [B] and align it according to step 4.