

FX 3300-IV: How to fulfil DIN EN 14683

04/2020, NF

1.) Manual measurement with old software version 1.5.5 or earlier

According to DIN EN 14683, air flow of 8 l/Min needs maintained at a test area of 4.9 cm².

This is equal to: Velocity of 0.272 m/s at any test area used with FX 3300-IV.

Preferably, use the 5 cm² test head but any other size will work as well.

For the test, select "Pa" as unit of measurement and 0.272 m/s as parameter. Now pressure drop will be shown as a result. For the final result, you will have to divide the displayed pressure drop by 4.9, no matter which size has been used for the test.

2.) Automatic measurement with new software version 1.6.1 or later

Install the software upgrade according to the instructions of the manual:

- **Function Upgrade:** A new software version can be uploaded into the instrument using a USB Memory-Stick. On the USB Memory-Stick create a folder "upgrade" in the following directory (use lower case!):

Drive Memory-Stick, e.g. Drive E:
Memory-Stick (E):

- fx3300-iv
- data
- upgrade

Copy the software program file „fx3300_upgrade_X.X.X.tar.gz into the folder „upgrade“.

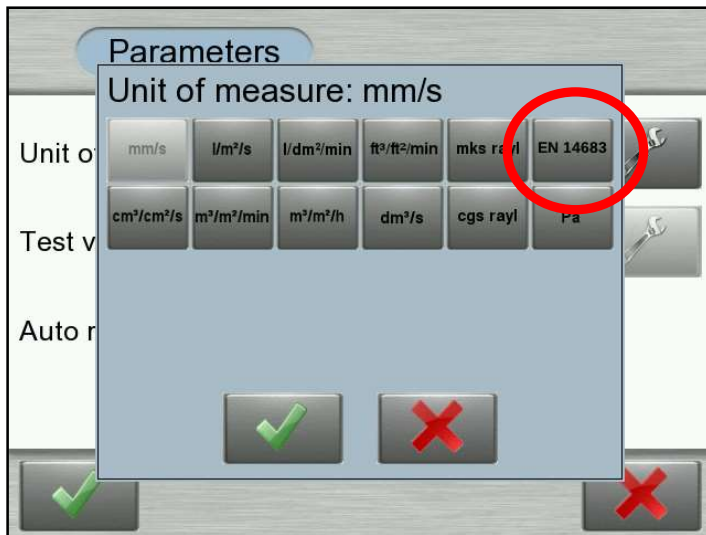
Log in as supervisor and insert the USB Memory-Stick into the USB port of the instrument. Wait until a beep indicates that the USB memory-Stick has been recognized correctly (this may take a few seconds). Select the function "Upgrade" and confirm with "Yes". The instrument performs now the program update and restarts automatically.

Important: Never switch off the instrument while the instrument is updating. This may cause that the instrument may not be operable anymore.

The latest software works with all instruments, no matter which hardware version is installed. There is no published software release between version 1.5.5 and 1.6.1.

You can order the latest software here: info@texttest.ch .The upgrade is free of charge.

If you open the menu “Parameters => Unit of measure”, you will find a new button:



Simply select “EN 14683” as unit of measure. The instrument will now automatically maintain the velocity of 0.272 m/s (corresponding to 8 l/Min @ 4.9 cm²) and divide the resulting pressure drop by 4.9 cm². No further calculation is required. You can use any test area as you like, preferably, you should use 5 cm².

Screenshot of a measurement:

