

Service Information Letter 9_2011

1 MAS-100 NT Sampling Head Selection

Instruments affected: all MAS-100 NT®

Change level: optional
 recommend by MBV
 mandatory
 for information only

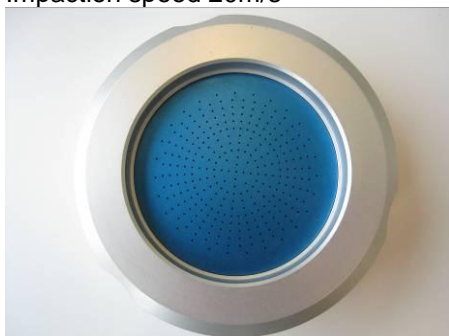
2 Reason

We occasionally observe on customer instruments that the sampling head selected does not match the supplied head. Using a different sampling head than selected will lead to a deviation in sample volume.

When sending your instrument in for calibration always include the sampling head so that a possible mismatch could be detected. MBV calibrates the instruments on the active sampling head setting if no head / information is supplied.

MBV distinguishes following two sampling heads:

300 x 0.6mm Sampling head (perforated lid)
 Anodized in **blue**
 Impaction speed 20m/s



400 x 0.7mm Sampling head (perforated lid)
 Anodized **silver**
 Impaction speed 11m/s



Using a wrong configuration and its effects on the sampled volume:

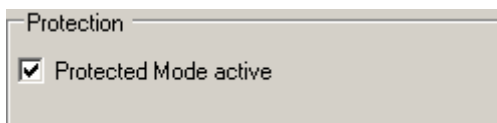
	Software setting 400x0.7	Software setting 300x0.6
Using 400x0.7mm sampling head	Correct result	Approx. +10% deviation
Using 300x0.6mm sampling head	Approx. -9% deviation	Correct result

3 Solution

Device Info	
Name:	MAS-100 NT
Location:	Location 1
Dep.:	Dep. 1
S. Head:	300*0.6
Skip Intro:	0
<div style="display: flex; justify-content: space-between;"> Back Change </div>	

Check your sampling head setting in the Menu “Config Device – Device Info” and correct it if necessary.

Note: For each sampling head individual adjustment data is stored. When switching to the other data set make sure that the corresponding adjustment is still up to date.



If you can see the sampling head selected but the “change” button is not active you might have to deactivate the “Protected Mode” using the PC-Software. Log in as “Advanced” or “Calibrator” and go

to the “Process and device settings” tab where you can unclick the “Protected Mode active” and change the head setting. Don’t forget to re-activate the “Protective Mode” once you’re done.

Stäfa, November 15th 2011

Beat Glauser



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