

## CALIBRATION CERTIFICATE

**FLUID NO. 1 OF 1**

CERTIFICATE NO. BHT362/6421224

Calibration by comparison  
Calibration date: 16 Feb 2022

We hereby certify that the instrument mentioned below has been calibrated in accordance with the stated values and conditions. The calibration standards used are traceable to national standards of the Dutch Metrology Institute VSL.

### Calibrated instrument

Type Flow meter (D)  
Serial number M21221561C  
Model number F-103EI-AAD-55-K  
Rated accuracy\*  $\pm(1\% \text{ FS})$

### Calibration standard

Type Rotor meter  
Serial number 80189  
Model number FRM R-025-TD  
Certificate no. BCC003/5670757  
Uncertainty  $\pm 0.3\% \text{ Rd}$

### Customer conditions

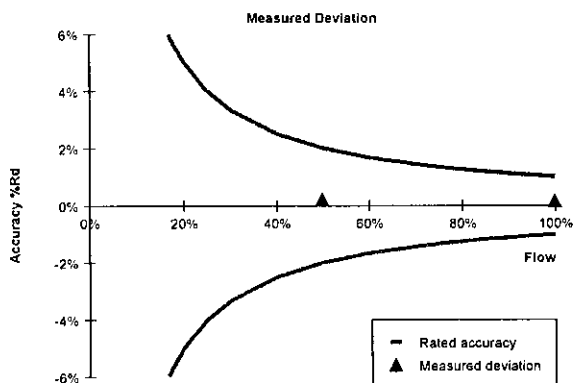
Fluid AIR  
Flow 100.0 In/min  
Pressure 0.0 bar (g)  
Temperature 25.0 °C

### Calibration conditions

Fluid AIR  
Flow 100.1 In/min (equivalent flow)  
Pressure 0.0 bar (g)  
Temperature 21.6 °C  
Atm. pressure 992.8 mbar (a)

### Calibration and conversion results

Output signal	Customer flow** AIR	Equivalent flow** AIR	Reference flow AIR	Measured deviation*	Measurement uncertainty*
99.82%	99.817 In/min	99.869 In/min	99.717 In/min	0.15% Rd	0.4% Rd
49.78%	49.781 In/min	49.799 In/min	49.691 In/min	0.22% Rd	0.4% Rd
0.00%	0.0000 In/min	0.0000 In/min	0.0000 In/min	-	-



### Notes

Flow unit In/min is defined at conditions 0.00 °C, 1013.25 hPa (a).

\* Rated accuracy, measured deviation and measurement uncertainty are specified under calibration conditions in digital mode.

\*\* The customer flow at customer conditions is converted to equivalent flow at calibration conditions using Bronkhorst High-Tech FLUIDAT® software.

Measurement uncertainties are based upon 95% (k=2) confidence limits. Although the item calibrated meets the specifications and performance at the time of calibration, due to any number of factors, this does not imply continuing conformance to the specifications.

Calibrator B.H.

Quality assurance

Quality director