

- Specialists in:
- Condition Monitoring
  - Machine Diagnosis
  - Dynamic Balancing
  - Calibrations



## CALIBRATION CERTIFICATE

S..../85-....

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Machine	Schenck
Serial No.	
EasyBalance s/n	85-0...
Principal	
Sensor Machine	T81
Calibration Ref.	

Test weight	Placed at	Calibration
60 gram	15°, 105°, 195°, 285°	OK +/- 5%

This set up has been tested in accordance with our calibration procedure.

We confirm that the instrument complies to the relevant manufacturer tolerances: YES

Date of calibration:

Recommended date for recalibration:

Calibration engineer:

**A.J. Supèr**

Ouderkerk aan den IJssel,

VIBROSERVICE B.V.

The certificate of calibration is only valid with calibration ref. number and signature. All measuring instrumentation used for calibration is directly or indirectly traceable to national and international standards.

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# CALIBRATION REPORT

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## SETUP REPORT

BalanceMaster EasyBalance 2.2, Date: 2015-05-05, Time: 16:43

### Installation Data:

Calibration performed by : Vibroservice B.V.  
 Calibration date : 2015-05-05  
 Calibration due date : 2016-05-05  
 Software version : 8.29.1.23  
 Serial Number Instrumentation :  
 Serial Number Machine :  
 Machine make and model :

### Setup Data:

Machine Type : Hard-bearing  
 Speed Range : Standard  
 Balancing Speed : Any  
 Input Configuration : Dual-integrator  
 Internal Dimension, a : 7.251 mm  
 Internal Dimension, b : 7.440 mm  
 Simulated Strobe : No (Standard mode)  
 Encoder Polarity : A before B  
 Remote Angle Display : Indicator travels with correction location  
 Acquire data until rotor has stopped : unchecked  
 Always synchronize with ZERO mark : checked  
 Direction of Rotation : CW  
 ZERO mark position : 12 o'clock  
 Mechanical offset between  
 ZERO and Reference mark : 0.00°  
 Angle count direction : Standard

### Calibration Data:

Left channel		Right channel		Equalization	
Factor	Phase	Factor	Phase	Amount	Phase
1.612047	6.29°	1.612047	6.29°	0.855257	-186.65°

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# CALIBRATION REPORT

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## RUN HISTORY REPORT

BalanceMaster EasyBalance 2.2, Date: 2015-05-05, Time: 16:42

### Rotor Information

Operator Name :  
 Rotor name : TESTROTOR  
 Balancing Program : Both planes between supports  
 No Key Compensation  
 No Tooling Compensation  
 Balancing Quality Standard : ISO G2.5  
 Service speed : 1450 RPM  
 Rotor mass at supports : Left: 25.000 kg Right: 25.000 kg

Left Radius	Distance a	Distance b	Distance c	Right Radius
78.000 mm	47.500 mm	273.500 mm	322.000 mm	78.000 mm

	Left	Right	RPM
<b>Average calculated from 8 runs:</b>	<b>+ 0.26719 g, 273°</b>	<b>+ 0.16938 g, 111°</b>	

	Left	Right	RPM
Result 1 (youngest)	+ 56.8701 g, 194°	+ 0.5525 g, 313°	853
Result 2	+ 57.0426 g, 105°	+ 0.2783 g, 202°	843
Result 3	+ 57.1254 g, 14°	+ 0.4967 g, 95°	849
Result 4	+ 58.2481 g, 285°	+ 0.4746 g, 43°	844
Result 5	+ 1.4038 g, 237°	+ 60.9702 g, 105°	845
Result 6	+ 0.2895 g, 280°	+ 60.4508 g, 15°	842
Result 7	+ 0.7545 g, 84°	+ 60.0786 g, 285°	860
Result 8	+ 0.7267 g, 285°	+ 60.9374 g, 195°	843

### Statistics

max value	58.2481 g 284.8 °	60.9702 g 313.1 °	860 RPM
min value	0.2895 g 14.1 °	0.2783 g 14.9 °	842 RPM
Standard Deviation	40.3481 g 131.6 °	42.7388 g 111.9 °	6 RPM
Standard Deviation	3147.1484 g-mm	3333.6237 g-mm	