Calibration Certificate

Customer:	IFR
Certificate Number:	230XXX
Object:	DEFECTOMETER M
Type:	1.837.01
Serial Number:	9999
Calibration Standard Type:	NFe
Calibration Standard Serial Number:	09999
Manufacturer:	Foerster
Customer's test equipment Number:	-
Recommended confirmation interval:	12 Months
Ambient temperature:	23°C ± 3K
As received condition:	in tolerance
Adjustment has been performed:	no
As shipped condition:	in tolerance
Remarks:	none

The above mentioned device was tested and calibrated, based on Foerster test- and acceptance test requirements and in compliance with a quality assurance system, which has been certified to DIN EN ISO 9001:2015. The measured values fully comply with the specification.

Used measurement equipments are recalibrated regularly.

Used measuring devices and standards:

Discription	**Number**	**PM Nr.**	**Due Date**
Stifttaster	2.835.01-2000 SN 5146	13/261	10.07.2024
Stifttaster	1.837.01-4000 SN 5310	13/262	10.07.2024
Calibration set Fe	2.837.01, 147 566 5 SN 31	12/480	15.10.2023
Calibration set Aust	2.837.01, 147 565 7 SN 27	12/480	15.10.2023
Calibration set NFe	2.837.01, 147 564 9 SN 26	12/480	15.10.2023

Date: 13.09.2023 Technician: M. Ersoy

This document was issued electronically and is valid without signature.

Calibration Report

Certificate Number: 230XXX
Object: DEFECTOMETER M
Type: 1.837.01
Serial Number: 9999

FOERSTER

Carried out measurements	specified values	measurements at delivery	measurements after adjustment
1.0 Functional test of power supply			
Operation with external power supply		OK	
Operation with batteries		OK	
Battery charge condition test		OK	
2.0 Sensitivity test at NFe, Fe and Aust			
Sensitivity test at 6 dB / 1 mm crack			
NFe	90% - 110%	109%	
Fe	95% - 115%	109%	
Aust	105% - 125%	118%	
2.1 Calibration Standard NFe (only version with calibration standard)			
Crack indication at 6 dB			
Crack depth 1mm	90% - 110%	104%	
Crack depth 0,5mm	46% - 58%	56%	
Crack depth 0,2mm	15% - 26%	23%	
3.0 Gain test			
Gain test, Nfe / 0,5 mm crack			
0,0 dB	24% - 29%	28%	
6,0 dB	48% - 58%	56%	
4.0 Failure threshold			
Adjust failure threshold to 40 %			
indication	39% - 41%	40%	
Discriminator LED		OK	
Acoustic failure message			
Mat Lo Frq		OK	
No Mat Snd		OK	
5.0 Lift Off Detection			
Lift Off LED		OK	
Acoustic output		OK	
6.0 Zeroshift			
Functional test		OK	
7.0 Headphone output			
Acoustic failure output		OK	
8.0 Background Illumination and intensitiy of LED Scale			
Background Illumination brightness in 3 stages		OK	
Scale, LED brightness in 3 stages		OK	
9.0 USB-Interface			
Functional test		OK	
10.0 Unit Setting Parameters			
Test of internal setting parameters with diagnostics program			
Unit communication		OK	
Probe detection		OK	
Material detection		OK	
Tuning parameters		OK	