SCHMIDT
control instruments

Inspection Certificate 3.1*

Hans Schmidt & Co confirms that the measuring instrument, which is referred below, was manufactured according to our technical specifications. The corresponding calibration report is enclosed.

Object:	Tension Meter
Model:	Q-50
Serial No.	230-05341
Customer:	XXX
Reference (Order No.):	1234
Date of calibration:	05.05.2020

Hans Schmidt & Co GmbH

Person in charge ..... *T. Müller*
T. Müller

Quality Manager (QA)
R. Meier

We suggest a recalibration period of 1 year, depending on the usage of the instrument. The most favorable period between calibrations has to be defined by quality-assuring personal, corresponding to the operating time of the instrument.

* For tension meters are no international standards available. Therefor we use the definition of quality checks and verification certificates as described in DIN EN 10204 section 3 to 6.

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Calibration Report

Calibration: According to SCHMIDT-Factory procedure No. 01

Model: Q-50 Temperature: 22 °C

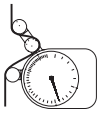
☒ Standard unit ☐ Customized Measuring Range 5 - 50 cN

Serial Number: 230-05341

Reading in ☒ **cN** ☐ **daN** ☐ .....

	Test Weight	Actual Reading		Test Weight	Actual Reading		Test Weight	Actual Reading
1.	5	5,3	7.	40	39,5	13.		
2.	10	10,3	8.	50	50	14.		
3.	15	14,7	9.			15.		
4.	20	20	10.			16.		
5.	25	25,3	11.			17.		
6.	30	30	12.			18.		

Accuracy: ± 1 % Full Scale or ± 1 graduation on scale

Calibration position  vertical material path

Calibration material: ☒ Polyamid (PA) Monofil

Ø : ☒ 0.12 mm ☐ 0.20 mm

☐ _____

☐ Special sample ☐ Customer or ☐ Schmidt: _____

Verification: ☒ Instrument working properly, calibration is within the tolerance limits.

Traceability of test weights: Hooked weights, accuracy class M3, calibration in Newton at falling speed of 9,80735 m/s² (location Waldkraiburg).

Calibration test of weights:

Calibration of hooked weights: Electronic balance, measuring tolerance to 4.8 kg ± 0.9 g, higher ± 5g

Calibration of balance with analytical weights: 500-g weight, class F1, calibration test report no. G8-603, calibration mark: D-K-19408-01-00
2-kg weight, class F1, calibration test report no. G8-601, calibration mark: D-K-19408-01-00
10-kg weight, class F1, calibartion test report no. G8-602, calibration mark: D-K-19408-01-00

Calibrated date: 05.05.2020 Calibration Engineer: John Smith

Q_07_E.indd