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:	DTX-1000
Serial No.	921-00156
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. 02

Model: DTX-1000 Temperature: 22 °C

☒ Standard unit ☐ Customized Measuring Range 10 - 1000

Serial Number: 921-00156

Reading in ☒ **cN** ☐ **daN** ☐ .....

	Test Weight	Position 1	Position 2	Position	Position
1.	10	11	11		
2.	100	101	98		
3.	200	198	200		
4.	500	499	501		
5.	700	700	699		
6.	900	898	901		
7.	1000	1001	1000		

Accuracy: For PA from 5 % to 100 % of range ± 0.5 % Full Scale and ± 1 Digit
other tension ranges and calibration material ± 3 % Full Scale and ± 1 Digit

Calibration material / Instrument settings

Position	Calibration Material	Material Diameter	Material Thickness Compensator
1	Polyamide Monofil	0.3	0.3
2	Copper Wire	0.25	0.2 - 0.3

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