

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: FSR-20N
Serial No. 626-01602

Customer: XXX

Reference (Order No.): 1234

Date of calibration: 05.05.2020

Hans Schmidt & Co GmbH

Person in charge

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.

Calibration Report

Calibration: According to SCHMIDT-Factory procedure No. 04

Model: FSR-20N

Serial Number: 626-01602

Standard unit Customized Measuring Range 0 - 20 N

Temperature: 23 °C

Output Voltage Sensor 0-1 V 0-10 V 4-20 mA

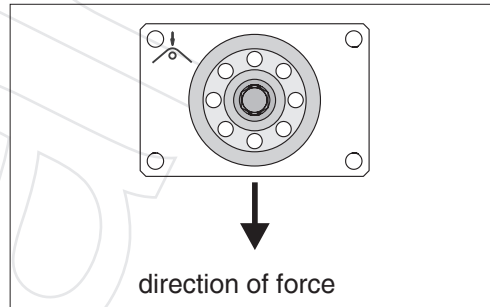
Test Weight in cN daN

Reading in mV V

	Test Weight	Actual Reading		Test Weight	Actual Reading
1.	100	99	6.	1000	1000
2.	200	200	7.	1400	1401
3.	400	401	8.	1600	1600
4.	600	601	9.	1800	1799
5.	800	798	10.	2000	1999

Accuracy: ± 1 % Full scale and ± 1 Digit
other calibration material: ±3% full scale or better

Calibration Position:



Static Calibration with an angle of 180°

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, calibration test report no. G8-602, calibration mark: D-K-19408-01-00

TSR_02_A_E.indd

Calibrated date: 05.05.2020

Calibration Engineer: John Smith