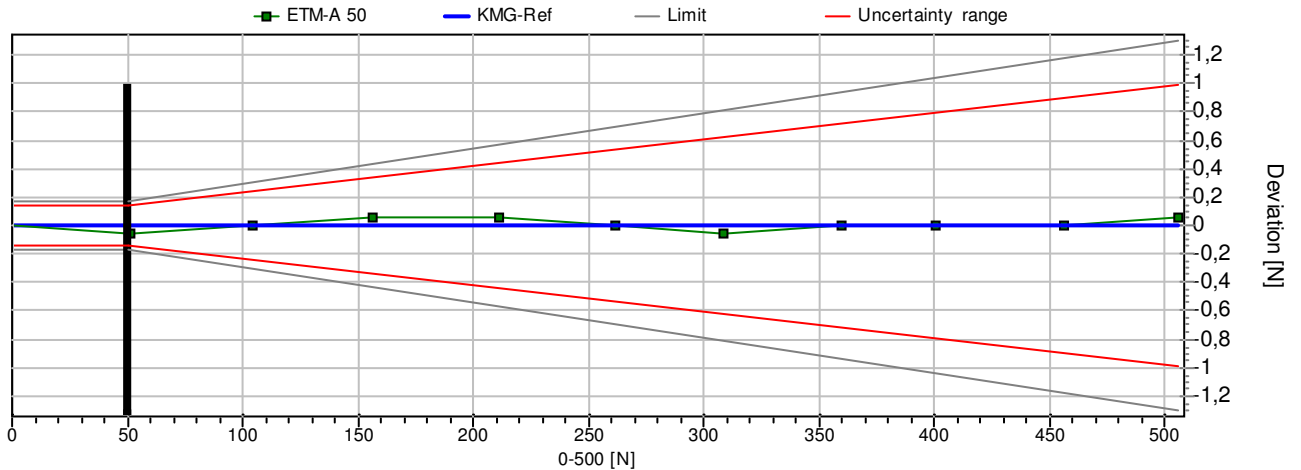


Place:	D- 12047 Berlin	Device:	ETM
Date:	15.08.2016	Manufacturer:	MAV Prüftechnik GmbH, D- 12047 Berlin
Test Range:	500 N Pull Force	Model:	ETM-A 50 (0-500 N)
Test Conditions:	T= 21°C ± 2°C, Frel. = 50% ± 5%	Serial No.:	20082
Customer:	MAV Prüftechnik GmbH Any Street 123 D-12345 Any City	Year of Construction:	2016
Customer ID No.:		Application Range:	50 - 500 [N]
		Resolution:	0.05 [N]

Visual check :	i.O. / OK	Operating Hours:	
Functional check:	i.O. / OK	Operating Strokes:	11



Force and difference in N		ETM-A 50 20082				Haerte2 / Gauge No.: 6302	
Row 1	Row 2	Row 3	Deviation	Reference model			
1	48,30 -3,80	58,10 0,00	51,10 -0,05	51,15			
2	94,65 -7,35	106,80 0,00	104,40 0,00	104,40			
3	140,95 -10,90	155,70 0,05	156,80 0,05	156,75			
4	192,80 -14,95	208,85 0,00	211,20 0,05	211,15			
5	237,65 -18,40	255,25 0,00	261,30 0,00	261,30			
6	281,35 -21,80	307,25 0,00	308,65 -0,05	308,70			
7	327,25 -25,35	352,15 0,00	359,50 0,00	359,50			
8	375,95 -29,20	409,40 0,05	400,80 0,00	400,80			
9	421,85 -32,65	454,95 0,00	456,50 0,00	456,50			
10	471,00 -36,65	501,90 0,00	505,65 0,05	505,60			

Evaluation:

i.O./OK = okay - within specifications; n.i.O./n.OK = not okay - outside of specifications; (1. test = measurement series prior to adjustment (state at delivery), 2. test = measurement after adjustment, 3. test = final measurement series (see figure)). Only values of the third set of measured values are being considered for the conformity assessment!

Tolerance / Measurement Uncertainty:

The manufacturers tolerance reduced by the expanded measurement uncertainty results in the uncertainty area (specification limits).The uncertainty used is the expanded measurement uncertainty obtained by multiplying the standard uncertainty with the coverage factor k = 2. It was determined in accordance with DKD-3 requirements. The value of the measured variable is within the assigned value range with 95% probability.

Supplementary Information:

Weights and force transducers used for calibration purposes are being examined periodically and correspond to DIN EN ISO 376 (class 0.5). They are traceable to the national standards of the PTB (Physikalisch Technische Bundesanstalt - documented in the respective testing equipment documents). The reference system used for the calibration was tested carefully in accordance with our factory test instructions.

The MAV PRÜFTECHNIK GmbH ensures a proper calibration / adjustment of the test stations. The MAV will not assume any liability for the usage and operation of the calibrated device. The stated measurement values are valid for the time of inspection. The customer is responsible for the compliance of repeated inspections within reasonable periods of time. The period of validity is based on the determinations of DIN EN ISO 7500-1 / DIN 51220. In case of any unauthorized intervention or changes made to the machine will void any liability of the MAV PRÜFTECHNIK GmbH.

Result: **i.O. / OK**

MAV PRÜFTECHNIK GmbH
Sanderstr. 28
D- 12047 Berlin
Abt.: QW
Tester: Warnecke

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Signature