

Bias 4th edition

PART Name.: BOBBIN WITH PIN

Instrument Name: micrometer

Appr :

วันที่

Date :

PART NO. :

Serial Number: 25648

CHECKED BY.

APPROVED .

Characteristic/Specification

Resolution: 0.001

Reference value 1.1100

Item	Measured value	Bias
1	1.1400	0.0300
2	1.1100	0.0000
3	1.1100	0.0000
4	1.1300	0.0200
5	1.1200	0.0100
6	1.1300	0.0200
7	1.1200	0.0100
8	1.0900	-0.0200
9	1.1100	0.0000
10	1.0800	-0.0300
11	1.1300	0.0200
12	1.1300	0.0200
13	1.1200	0.0100
14	1.0900	-0.0200
15	1.0900	-0.0200
16	1.1400	0.0300
17	1.0800	-0.0300
18	1.0800	-0.0300
19	1.1200	0.0100
20	1.1200	0.0100

Alpha 0.05

Measured Value	n	Mean	Standard deviation Sigma(RMS)	Standard error of mean	Specification		% EV
					LSL	USL	
	20	1.112	0.020	0.0045	0.91	1.31	30.2359

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Measured Value	t statistic	df	Significant value (2 tailed)	Bias	Confident Interval of bias		P-value For t-score
					Lower	Upper	
	0.4437	19	2.0930	0.0020	-0.0074	0.011	0.662

$H_0 : Bias = 0$

$H_1 : Bias$ มีอยู่จริงและมีผลกระทบต่อระบบการวัดอย่างมีนัยสำคัญ

Result

☒	P-Value > Alpha
☐	P-Value < Alpha

OR

Result

☒	lower $\leq$ 0 $\leq$ upper
☐	lower > 0 < upper

