



About JCSS Calibration of Torque Meters

[Applicable Devices]

Torque meters

*For our UTM series, please refer to the document "Products that Can be Calibrated in Accordance with ISO/IEC 17025".

Calibration Range and Expanded Uncertainty (Confidence level approximately 95%)

Calibration Range	Twisting Direction/ Step/ Set Angle	Expanded Uncertainty (Confidence level approximately 95%)	
		Actual Load Type	Build-up Type
0.01 N m to 0.1 N m	[Twisting Direction] Left and right twisting	1.5 %	-
0.02 N m to 0.2 N m		0.69 %	-
0.05 N m to 0.5 N m		0.17 %	-
0.1 N m to 1 N m		0.13 %	-
0.2 N m to 2 N m	[Calibration Steps] 8 steps	0.10 %	-
0.5 N m to 5 N m		0.068 %	0.15 %
1 N m to 10 N m		0.046 %	0.11 %
2.5 N m to 20 N m		0.021 %	0.096 %
5 N m to 50 N m	[Set Angle] 0°, 120°, 240°	0.026 %	0.11 %
10 N m to 100 N m		0.014 %	0.11 %

[Calibration Method]

The calibration method and uncertainty evaluation method shall be carried out in accordance with "JMIF015-2004 Guidelines for Torque Meter Calibration Service Providers." Additionally, regarding the indicating instruments, unless otherwise requested, we will use our company's JCSS-calibrated digital multimeter 34461A (KEYSIGHT).

(At 0° installation angle: one increase/decrease, then one increase only. At 120° and 240° installation angles: one increase/decrease.)

[Contact for Inquiries Regarding Feedback, Complaints, and Appeals]

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