



Form No. G7A-LMSP-02-01

977  
8 Jun 2023

# Declaration of Conformance

<b>Serial-Number</b> DCF 05700	<b>Customer</b> Persekutuan Gerakan Utara Polo Dinjau Malaysia Cawangan Semerang No tel: +6012 236 3580
<b>Ident-Number</b>	
<b>Manufacturer</b> PROTO	<b>Humidity</b> 58.1 %
<b>Catalog-Number</b> 6014F	<b>Temperature [°C]</b> 24.6°C
<b>Tool range</b> 50-250ft lb	<b>Calibrating device</b> 7791
<b>Tool</b> Torque tool	<b>Software</b> Torqmaster 3.2.1.0
<b>Type / Class</b> Type II, setting, Class A	<b>Test method</b> DIN EN ISO 6789-1:2017
<b>Deviation</b> 6.0 %	<b>Next calibration</b> 7 Jun 2024
<b>Adaption</b>	<b>Remark:</b> The users should be aware there are many factors that may cause the instrument to drift out of calibration limits prior to the stated recalibration date.
<b>Extension interchangeable element</b> 0.0mm	
<b>Extension handle</b>	
<b>Reference Transducer</b> Stahlwille 7723,7 35-111ft lb; 507422145, Nr: 20190, 29 Jun 2024	

Max. measurement error 1.00 %

Rel. measurement uncertainty interval 1.00 %

## Measurement values

Target values	50 ft lb	Tmin	150 ft lb	60.00 %	250 ft lb	100.00 %			
Scale readings	50 ft lb	Tmin	150 ft lb	60.00 %	250 ft lb	100.00 %			
	Ref. Val.	Error	Ref. Val.	Error	Ref. Val.	Error			
	ft lb	ft lb	%	ft lb	ft lb	%			
Clockwise torque	50.888	0.868	1.74	144.34	-6.656	-3.77	237.01	-12.494	-5.00
	50.525	0.525	1.05	144.53	-5.489	-3.85	236.44	-13.560	-5.42
	50.409	0.409	0.82	144.13	-5.867	-3.91	236.02	-13.985	-5.59
	50.274	0.274	0.55	144.38	-6.622	-3.75	235.57	-14.427	-5.77
	50.100	0.100	0.20	144.20	-5.803	-3.97	234.85	-15.147	-6.06
<b>Average <math>\bar{x}</math></b>	<b>50.435</b>		<b>144.32</b>		<b>236.08</b>				
Anticlockwise torque	-53.924	-3.924	7.85	-149.03	0.965	-0.64	-243.53	6.466	2.59
	-53.557	-3.557	7.11	-148.32	1.679	-1.12	-243.33	6.672	2.67
	-53.383	-3.383	6.77	-148.42	1.582	-1.05	-242.94	7.062	2.82
	-53.273	-3.273	6.55	-148.48	1.516	-1.01	-242.53	7.472	2.99
	-53.360	-3.360	6.72	-148.52	1.476	-0.98	-242.51	7.494	3.00
<b>Average <math>\bar{x}</math></b>	<b>-53.498</b>		<b>-148.56</b>		<b>-242.97</b>				

Calibration Result: The result as following page(s). The expanded uncertainties are based on an estimated confidence probability of approximately at 95% and have a coverage factor of k=2 unless stated otherwise.

Max. deviation [%] 7.85 % NOT OK

Measurement date: 8 Jun 2023 16:58:07  
(Date of Issue)  
Responsible person: Yassin

The measuring error of the torque measuring device is less than a quarter of the maximum permissible relative deviation of the torque tool.  OK

This certificate is issued in accordance with the conditions of accreditation granted by SMMB which has assessed the measurement capability of the laboratory and its traceability to recognized national standards and to the units of measurement retained at the corresponding national standards laboratory. The results of calibration performed by G7 Aerospace Sdn Bhd apply to the particular equipment as the title of test. They do not indicate and imply that G7 Aerospace Sdn Bhd approves, recommends or endorses the manufacturer or supplier of users of such equipment that G7 Aerospace Sdn Bhd in any way guarantees the equipment's performance after calibration. Test Calibrations marked "Not SMMB Accredited" in the scope of Certificate are not included in the SMMB Accreditation Scheme of our laboratory. Opinions and interpretations expressed herein are solely the scope of SMMB accreditation. Copyright of this certificate is owned by the issuing laboratory and may not be reproduced other than in full accord with the prior written approval of the Head of the issuing laboratory.

CT-219

6

991  
10 Jul 2023

Declaration of Conformance

Serial-Number	1008045701	Customer	Pasukan Gerakan Udara Polis Diraja Malaysia Cawangan Semeranjung No tel: +6012 236 3580
Ident-Number		Humidity	58.1 %
Manufacturer	SNAP-ON	Temperature [°C]	24.6°C
Catalog-Number	QD1R50	Calibrating device	7791
Tool range	10-50in-lb	Software	Torkmaster 5.2.1.0
Tool	Torque tool	Test method	DIN EN ISO 6789-1:2017
Type / Class	Type II, setting, Class A	Next calibration	9 Jul 2024
Deviation	6.0 %	Remark:	The users should be aware there are many fact cause this instrument to drift out of calibration limits prior stated recalibration date
Adaption			
Extension interchangeable element	0.0mm		
Extension handle			
Reference Transducer	Stahlwille 7722, 17.7-885in-lb, 507372037, 20191, 29 Jun 2024 Stahlwille 7723, 88.5-9,736in-lb, 507422145, Nr. 20190, 29 Jun 2024		
Max. measurement error	1.00 % 1.00 %	Ref. measurement uncertainty interval	1.00 % 1.00 %

Measurement values

Target values	20 in-lb	Tmin	30 in-lb	60.01 %	50 in-lb	100.00 %
Scale readings	20 in-lb	Tmin	30 in-lb	60.01 %	50 in-lb	100.00 %
	Ref. Val.	Error	Ref. Val.	Error	Ref. Val.	Error
	in-lb	in-lb %	in-lb	in-lb %	in-lb	in-lb %
Clockwise torque	19.560	-0.443 -2.21	30.473	0.469 1.56	51.193	1.195 2.39
	19.507	-0.499 -2.48	29.615	-0.389 -1.30	51.140	1.142 2.28
	19.481	-0.522 -2.61	29.615	-0.389 -1.30	51.069	1.071 2.14
	19.401	-0.602 -3.01	29.553	-0.451 -1.50	51.060	1.062 2.12
	19.330	-0.673 -3.36	29.588	-0.416 -1.39	51.069	1.071 2.14
Average $\bar{x}$	19.454		29.765		51.104	

Calibration Result : The result as following page(s). The expanded uncertainties are based on an estimated confidence probability of Approximately at 95% and have a coverage factor of k=2 unless stated otherwise.

Max. deviation [%] -3.36 % OK

Measurement date 10 Jul 2023 16:56:05  
(Date of Issue)  
Responsible person Yassin

The measuring error of the torque measuring device is less than a quarter of the maximum permissible relative deviation of the torque tool, OK

This certificate is issued in accordance with the conditions of accreditation granted by SAMM which has assessed the measurement capability of the laboratory and its traceability to Recognized national standards and to the units of measurement realized at the corresponding national standards laboratory. The results of calibration performed by G7 Aerospace Sdn Bhd Apply to the particular equipment at the time its test. They do not indicate and imply that G7 Aerospace Sdn Bhd approves, recommends or endorses the manufacturer or supplier or users Of such equipment that G7 Aerospace Sdn Bhd in any way guarantees the equipment's performance after calibration. Test/Calibrations marked "Not SAMM Accredited" in this report/ Certificate are not included in the SAMM Accreditation Schedule of our laboratory. Opinions and interpretations expressed herein are outside the scope of SAMM accreditation. Copyright of this certificate is owned by the issuing laboratory and may not be reproduced other than in full except with the prior written approval of the Head of the issuing laboratory.

G7 AEROSPACE Sdn Bhd (00001911223)  
A-2-01, Co Place 1, Jalan Usaha Warip, 30000, Cyberjaya, Selangor, Malaysia  
TEL : +603 83220303 EMAIL : support@g7aerospace.com.my WEBSITE : www.g7aerospace.com.my



# SMSB

SENDI MAHIR SDN. BHD. (109501003943 (3333136-7))  
 NO. 6, 8, 10 & 12, JALAN KAPAR 27/89, MEGA INDUSTRIAL PARK,  
 SEREMBAN 27, 40400 SHAH ALAM, SELANGOR DARUL EHSAN, MALAYSIA.  
 TEL: 03-5191-7388 FAX: 03-5191-0675  
 EMAIL: enquiry@sendimahir.com ; marketing@sendimahir.com Website: www.sendimahir.com

CT-16

## CERTIFICATE OF CALIBRATION

Certificate No. : SM23148259 Date of Issue : 26 Jul 2023  
 Issued By : Sendi Mahir Sdn Bhd Page 1 of 2 Pages



Customer : PASUKAN GERAKAN UDARA PDRM  
 JALAN LAPANGAN TERBANG SULTAN ABDUL AZIZ SHAH,  
 47200 SUBANG SELANGOR

Instrument : Digital Protractor Calibration Date : 26 Jul 2023  
 Manufacturer : SPI Recalibration Date : 26 Jul 2024  
 Model/Type : Pro 360 Specified By Customer  
 Serial No. : UUPST 1 Remark : The user should be aware that any numbers of factors  
 may cause this instrument to drift out of calibration before the  
 specified calibration interval has expired.  
 Capacity : 0 - 360 ° ( 90" x 4)

Resolution : 0.1 degree Calibration Environment Condition:  
 Condition Upon Receiving : Edge dentil. Temperature : 20.1 to 20.2 °C  
 Relative Humidity : 53 to 54 %rh

Condition Upon Returning : The instrument has been calibrated. The results are as follows.

Calibration Method : Internal Calibration Procedure(s) ICPD39

Calibration Venue : This instrument has been calibrated at Sendi Mahir Sdn Bhd

Measurement Uncertainty : The reported expanded measurement uncertainty is stated as the standard measurement uncertainty multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95% and have a coverage factor of k=2 unless stated otherwise.

### Reference Standard(s) Used :

Reference Standard Name	Serial No	Certificate No	Due Date	Accreditation No	Traceability
ANGLE GAUGE BLOCK	D052	SM23117341	08 Mar 2024	SAMM 082	NMIM(MY)

Calibrated By:

Nurul Zuraida

Approved Signatory:

Kayalili

This certificate is issued in accordance with the laboratory accreditation requirements of Sinar Abadihan Meters Malaysia (SAMM) of Standards Malaysia which is a signatory to the ILAC MRA. The measurement results included in this document are traceable to Malaysia national measurement standards maintained by the National Metrology Institute of Malaysia (NMIM). NMIM is a signatory to the CIPM MRA. It provides traceability of measurement to the SI system of units and/or to units of measurement realized at the NMIM and other recognized national metrology institutes. The results of calibration performed by Sendi Mahir Sdn Bhd apply to the particular equipment at the time of its test. They do not indicate or imply that Sendi Mahir Sdn Bhd approves, recommends or endorses the manufacturers or suppliers or users of such equipment that Sendi Mahir Sdn Bhd in any way guarantees the equipment's performance after calibration. Test/calibration methods Not SAMM Accredited in this report/certificate are not included in the SAMM Accreditation Schedule of our laboratory. Operators and proprietors/signed parties are outside the scope of SAMM accreditation. Copyright of this certificate is owned by the issuing laboratory and may not be reproduced other than in full except with the prior written approval of the Head of the issuing laboratory.