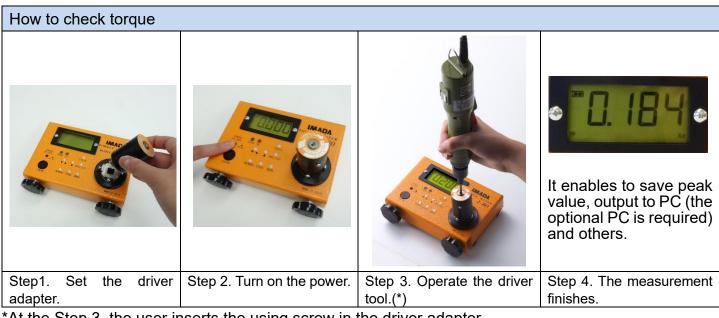


Driver Torque Meter I-8/I-80

Measure torque (rotating force) for motor screw driver and torque driver. It is suitable for daily torque maintenance with simple operations. The data output (serial communication) is possible.





^{*}At the Step 3, the user inserts the using screw in the driver adapter.



Model	I - 8	I - 80				
Model	0.20~80.00 cN-m	0.020~8.000 N-m				
Measuring range*1	0.020~8.000 kgf-cm	0.20~80.00 kgf-cm				
	0.020~7.000 lbf-in	0.20~70.00 lbf-in				
	7.000 ISI III	2.0~800.0 cN-m				
Accuracy	+/- 0.5% (reading value) or +/-3digit in less than 499 digit.					
Display	4 digits LCD display					
Measuring direction	CW-CCW (Right turn /Left turn)					
Measuring mode	· -	P-D(Peak-down),C(real time data				
3	output)	77 - (
Upper/Lower value setting	Upper/ Lower value are able to be	e set in the measuring range.				
Pass-fail decision	Pass/Fail can be check in the me	asuring range.(P-P mode)				
Pass-iaii decisiori	GOOD (Pass)Green lights, NG	(Fail)Red blinks				
Max./ Min./Ave. display	Display stored Max. / Min. /Ave. / Number of measuring values.					
Real time data output	Output applied torque approx. 1/180 sec each.					
Internal memory	800 data					
Output data	ASCII (baud rate 19200 bps)					
Auto zero reset function	Automatic clear value function in each 0.1~3.0 sec (The setting is					
7 tato 2010 1000t Idilottori	possible from 0.5 sec each). Manual zero reset setting is at 0.0 sec.					
Zero Reset function	Auto or Manual (only pressing the button.)					
Battery	Ni-MH 300 times					
Auto power-off	Auto power-off in 10 minutes with no operation.					
Charging time/ Usable time	Approx.3 hours/ Approx. 12 hours	continuous use after full charge.				
Socket joint part (Detecting parts shape)	Square 20 mm / Square 9.5 mm					
	Driver adapter OW-025/OW-10	Driver adapter OW-20/OW-60				
	Attaché case, battery charger, inspection certificate (*2), calibration					
	certification (*2), traceability system diagram(*2).					
Included items (1 each)	OW-20 OW-60					

^{*}This product is NOT suitable for impact tools.

^{*1} It is only approved for the international model. The Japanese model is different range.

^{*2} All documents are written in English.



[Specification for Driver adapter]

	OW-025	OW-10	OW-20	OW-60
Range	Max. 0.25N-m	Max. 1.0N-m	Max. 2.0N-m	Max. 6.0N-m
Mechanical life	10,000 times	8,000 times	5,000 times	5,000 times
Bit joint part	M2.6+Pan head	M3.0+Pan head	M4.0+Pan head	M6.0+Panhead
	screw	screw	screw	screw
Body dimension	φ28×44	φ32×51	φ32×51	φ32×69

^{*}In the bit joint part, the user inserts their using screw.

[Output data]

Output data is into ASCII by USB cable (Type B).

Specification of Data output

Data bit length	Start bit 1+ Data bit 8 + Stop bit 2 +no parity			
Beau rate	19200bps	Connector shape	USB(Type B)	

There are 2 types of the data format.

1. The data format of measuring/ average value output.

(Upper column: Meaning of the hexadecimal number in the lower column.

Lower column: Hexadecimal numbers approved ASCII code.)

CAN	*	SO	Space	Sign	Measuring value	Space	SI	Unit	CR
18	000	OE	20	CW: + CCW: -	00000	20	OF	000000	OD
	21 data is output at once.								

2. The data format of the real time mode output.

(Upper column: Meaning of the hexadecimal number in the lower column.

Lower column: Hexadecimal numbers approved ASCII code.)

CAN	Sign	Measuring value	CR		
18	CW: + CCW:-	00000	OD		
8 data is output at once.					

^{*}The adapters cannot be used for a manual torque driver. The optional driver adapter is required. Please contact us if you need.



Data Contents

CAN: Cancel

* : When the measuring value output

The data number is displayed at memory data output (e.g. The data No.1 is displayed "001").

"Space" is output at "Clear".

: When the average value output

"N"...Data number, "MAX"...Maximum value, "MIN"...Minimum value, "m"... Average value

(" N " and " m " are displayed in the center.)

SO : Select double-width printing ± : Sign + at CW/ Sign – at CCW

Measuring value: Including decimal point. e.g)1 0 . 0 0 \rightarrow 10.00

SI : Cancel double-width printing

Unit : When the data quantity is less than unit number quantity such as N-m, there are spaces after unit letters.

e.g) N -m \rightarrow N-m (k g f - c m \rightarrow kgf-cm)

CR : Carriage return

[Cautions]

- Information in this document is subject to change without prior notice.
- This document is product descriptions and handling precautions, and do not guarantee various characteristics or safety.
- This product is designed for force measurement purpose only.
- Do not copy and use this content without authorization.
- Do not use this product in the environments including fierce temperature changes, high temperature, high humidity, near water, dusty place.
- Please note that the capacity is dependent on the displayed unit. Please contact us for details.

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