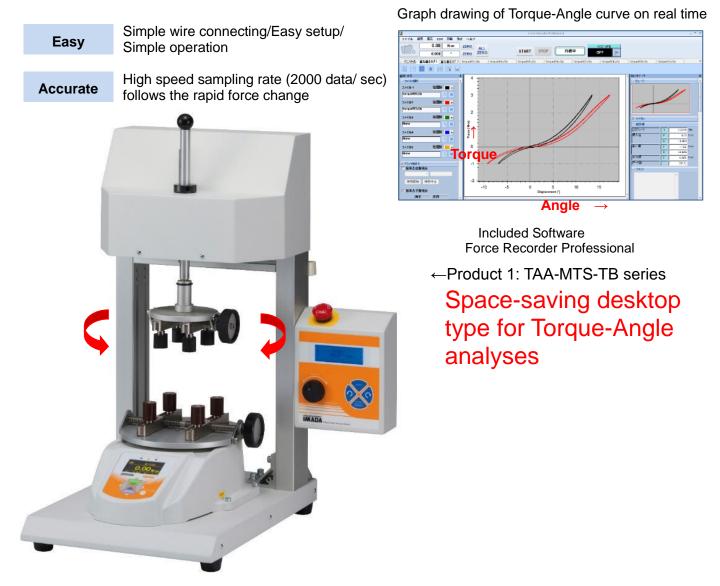


Torque-Angle Measurement Unit TAA series

- -Measurement unit to analyze Torque (Rotating/Twisting force) and Angle easily.
- -Easy but Accurate Torque- Angle measurements are possible.
- -Drawing and Analyzing graphs on PC with simple operations.
- -Selectable products for your needs such as Desktop type and Portable type.



[TAA-MTS-TB series applications]

Opening/ Closing torque Twisting strength for circuit boards		Others
		-Click feeling for rotary switches -Twisting characteristics for underwears and some medical supplies as such us diaper, napkin and fomentation etc. <u>Ideal for various characteristic</u> evalutions.



Portable type or Manual test stand of Torque- Angle measurements (Custom-made order)

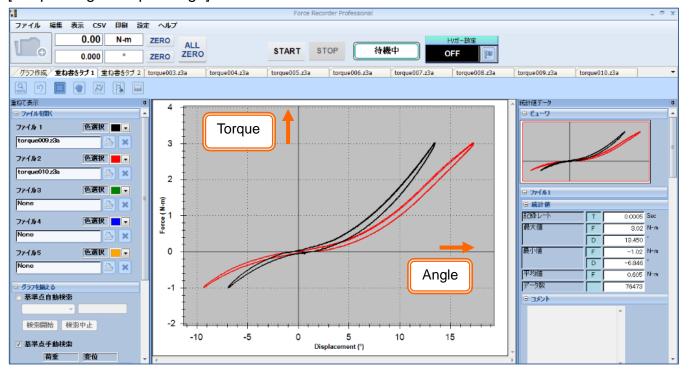
Product 2: For easy and handy measurements

Product 2. FOI easy and handy in		
Product Image	Features	
Mon	Fix a sample by the chuck and twist the	
	sensor by a hand.	
Indicator	This portable system equips useful	
Senso	or functions for measurements.	
	-The bright and clear display indicator.	
	-Continuous data saving for USB flash	
Stay	/ drive	
	\Rightarrow We offer the product based on your	
Chuck	needs.	
Measurement	Image	
for Door Knobs	for Rotary Switches on a car dashboard.	
The stays support the stable rotating motions.	Stable measurements are possible	
	by the stay height adjustment.	
Product 3: For repeatability and h	nandy measurements	
Image	Feature	
Sample position Manual stand	Put a sample on the fixed sensor and	
	turn the handle.	
Sensor	Realize high repeatablity with no sample shaking. \Rightarrow We offer the product based on your needs.	
⇒The products on this page are custom-made order. Ple		

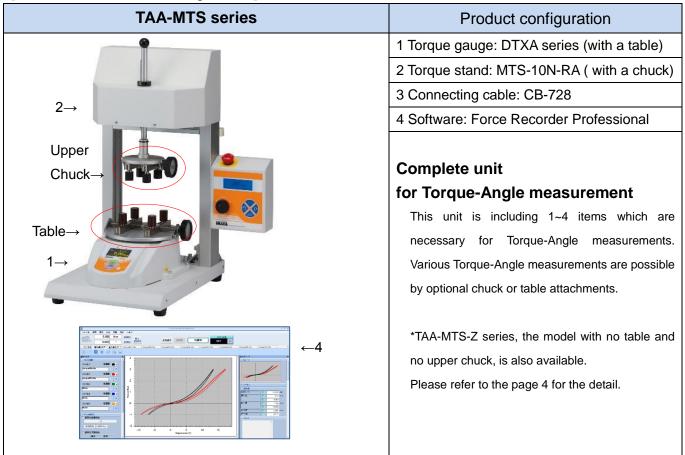
 \Rightarrow The products on this page are custom-made order. Please feel free to contact us for the specifications or the measurement solutions +81-(0)532-33-3288.

IMADA CO., LTD Torque-Angle Measurement Unit TAA series [Torque-Angle Graph Image]





[TAA-MTS-TB series configuration]



IMADA CO.,LTD Torque-Angle Measurement Unit TAA series [TAA-MTS series model list]



Model *1	Туре	Allowable sample height *2	Capacity	
TAA-MTS-□□N-TB	Standard	140mm		
TAA-MTS-□□N-L-TB	Long stroke	240mm	Chasse from	
TAA-MTS-□□N-2L-TB	Long stroke	340mm	Choose from 2N-m/5N-m/10N-m.	
TAA-MTS-□□N-Z	No chuck	4.40 mm (*0)	211-111/311-111/1011-111.	
	and no table	140mm (*2)		

*1 $\square\square$: Please choose from the suitable capacity.

*2 We accept custom made order for the sample height more than 340mm.

Long stroke option is also able to add Model "Z" type.

[TAA-MTS series specification]

Function Test stand display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto powork) Function Test stand Manual mode, JOG mode, Speed adjustment Link function (*1) Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge	Model		TAA-MTS-□N	
Unit Angle "(degree) Range 2N-m(200N-cm), 5N-m(500N-cm), 10N-m(1000N-cm) Resolution Angle 0.001*(On Force Recorder Professional) 0.01*(On Force Recorder Professional) 0.01*(On Force Recorder Professional) Accuracy Force +/-0.5% F.S. +/-1 digit Accuracy Angle TAA-MTS-□DN-TB: 140mm TAA-MTS-□DN-L-TB 240mm TAA-MTS-□DN-L-TB 240mm TAA-MTS-□DN-L-TB : 340mm "TAA-MTS-□DN-L-TB : 340mm *TAA-MTS-□DN-L-TB : 40mm TAA-MTS-□DN-L-TB : 340mm *Torague data sample height "Torague Gauge/ Motorized Torque Gauge/ Motorized Torque Stand Table Attachments" Output Torque gauge 16 data/sec USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive "USB flash drive is not included. Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque paek / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Overload prevention Power supply Torque gauge Rechargeable battery (8 hour using /2 hour full charge) Supply Torque gauge Rechargeable battery (8 hour using /2 hour full charge) Grapi		Torque	N-m, N-cm Switching type	
Range 2N-m(200N-cm), 5N-m(500N-cm), 10N-m(1000N-cm) Resolution Force 4 digit (Ex: The resolution of TAA-MTS-5N is 0.001N-m[0.1N-cm]) Angle 0.001°(On Force Recorder Professional) 0.01°(On the torque gauge monitor) Accuracy Force +/- 0.5% F.S. +/-1 digit Model: Allowable sample height TAA-MTS-□N-TB: 140mm TAA-MTS-□N-TB: 140mm TAA-MTS-□N-LTB 240mm TAA-MTS-□N-LTB: 340mm TAA-MTS-□N-LTB: 340mm TAA-MTS-□N-LTB: 340mm ************************************	Unit	· · · ·		
Force 4 digit (Ex: The resolution of TAA-MTS-5N is 0.001N-m[0.1N-cm]) Angle 0.001°(On Force Recorder Professional) 0.01°(On the torque gauge monitor) Accuracy Force +/- 0.5% F.S. +/-1 digit Accuracy Force +/- 0.1°+/- 1 digit Model: Allowable sample height TAA-MTS-c=N-TB: 140mm TAA-MTS-c=N-L-TB 240mm TAA-MTS-c=N-L-TB 240mm TAA-MTS-c=N-L-TB: 340mm "The allowable sample height is allowable. Please contact us. "The allowable sample height "The allowable sample diameter is depending on the attachments (separately sold) Plea refer to the specification "Torque Gauge/ Motorized Torque Stand Attachments" ("Torque datas sampling rate Torque data sampling rate 2000 data/ sec Output USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive "USB flash drive is not included. Function Torque gauge Customized display/ floaded rand footer // Peak Hold mode(CW/CWW)/ Internal memory (1000 data) / Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto pow off) / Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro	Range			
Resolution Angle 0.001°(On Force Recorder Professional) Accuracy Force +/- 0.5% F.S. +/-1 digit Accuracy Force +/- 0.1°+/- 1 digit Model: Allowable sample height TAA-MTS-□□N-TB: 140mm TAA-MTS-□□N-L-TB 240mm TAA-MTS-□□N-L-TB 240mm Torque data sample height rifter allowable sample diameter is depending on the attachments (separately sold) Plea refer to the specification "Torque Gauge/ Motorized Torque Stand Attachments" Torque data sampling rate 2000 data/ sec Torque data sampling rate 2000 data/ sec Usb, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive "USB flash drive is not included. Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib signaly Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto pow off/) Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Torque gauge Rechargeable battery (8 hour using /2 hour full charge) Angle detection at torque peak / Angle zero reset at the selected torque/Au		Force	4 digit (Ex: The resolution of TAA-MTS-5N is 0.001N-m[0.1N-cm])	
Angle 0.01°(On the torque gauge monitor) Accuracy Force +/- 0.5% F.S. +/-1 digit Angle +/- 0.1°+/- 1 digit Model: Allowable sample height TAA-MTS-□DN-TB: 140mm TAA-MTS-□DN-L-TB 240mm TAA-MTS-□DN-L-TB 240mm TAA-MTS-□DN-L-TB 240mm TAA-MTS-□DN-L-TB 240mm TAA-MTS-□DN-L-TB 240mm "The allowable sample height is allowable. Please contact us. "The allowable sample height is allowable. Please contact us. "The allowable sample diameter is depending on the attachments (separately sold) Plea refer to the specification "Torque Gauge/ Motorized Torque Stand Attachments" Torque data sampling rate 2000 data/ sec Torque data sampling rate 2000 data/ sec Votput USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive is not included. Output "USB flash drive is not included. Function Torque gauge Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversibit display/ Sign inversion/ Zero clear timer /+NG alarm/Off timer (Auto pow off)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contr Overl	Resolution	ı		
Accuracy Force +/- 0.5% F.S. +/-1 digit Angle +/- 0.1°+/- 1 digit Model: Allowable sample height TAA-MTS-□N-TB: 140mm TAA-MTS-□N-TB: 140mm TAA-MTS-□N-L-TB 240mm TAA-MTS-□N-L-TB 240mm TAA-MTS-□N-L-TB 240mm TAA-MTS-□N-L-TB: 340mm TAA-MTS-□N-L-TB 240mm Torque data sample height sample height is allowable. Please contact us. "The allowable sample diameter is depending on the attachments (separately sold) Plea refer to the specification "Torque Gauge/ Motorized Torque Stand Table Attachments" ("Torque Gauge/ Motorized Torque Stand Attachments") Torque data sampling rate 2000 data/ sec Torque display update 16 data/sec USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive "USB flash drive is not included. Customized display(header and footer) / Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto pow off)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro. Overload prevention Power Torque gauge Rechargeable battery		Angle		
Accuracy Angle +/- 0.1°+/- 1 digit Model: Allowable sample height TAA-MTS-□□N-TB: 140mm TAA-MTS-□□N-L-TB 240mm TAA-MTS-□□N-L-TB : 340mm 'Other sample height 'Other sample dianteer is depending on the attachments (separately sold) Plea refer to the specification "Torque Gauge/ Motorized Torque Stand Table Attachments" Torque data sampling rate 2000 data/ sec Torque data sampling rate 2000 data/ sec Torque display update 16 data/sec USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive "USB flash drive is not included. Customized display/header and footer)/ Peak Hold mode(CW/CWW// Internal memory (1000 data) Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto pow off)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Overload prevention Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) Apple Ac100V- 240V Temperature: 0 – 40 degree Celsius Humidity: 20-80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(M data logger simple software), Power cable, AC adapter, Torque gauge	Accuracy Force +/- 0.5% F.S. +/-1 digit			
Model: Allowable sample height TAA-MTS-□□N-TB: 140mm TAA-MTS-□□N-L-TB 240mm TAA-MTS-□□N-L-TB 240mm TAA-MTS-□□N-L-TB 340mm TAA-MTS-□□N-L-TB : 340mm Other sample height ''Toraus allowable. Please contact us. ''The allowable sample diameter is depending on the attachments (separately sold) Plea ''The allowable sample diameter is depending on the attachments (separately sold) Plea Torque data sampling rate 2000 data/ sec Torque display update 16 data/sec USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive ''USB flash drive is not included. Customized display/header and footer)/ Peak Hold mode(CW/CWW// Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto pow off)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Overload prevention Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) Supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20-80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(M data logger si				
Model: Allowable sample height TAA-MTS-□□N-L-TB 240mm TAA-MTS-□□N-2L-TB : 340mm *Other sample height is allowable. Please contact us. *The allowable sample diameter is depending on the attachments (separately sold) Plea refer to the specification "Torque Gauge/ Motorized Torque Stand Table Attachments" ("Torque Gauge/ Motorized Torque Stand Table Attachments" ("Torque Gauge/ Motorized Torque Stand Table Attachments") Torque data sampling rate 2000 data/ sec Torque data yupdate 16 data/sec Output USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, Overload, sub comparator, USB flash drive "USB flash drive is not included. Customized display(header and footer)/ Peak Hold mode(CW/CWW// Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversibd display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto pow off/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Overload prevention Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) supply Test stand AC100V- 240V Operating -vironment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge				
Model: Allowable sample height TAA-MTS-□□N-2L-TB : 340mm "Other sample height is allowable. Please contact us. "The allowable sample diameter is depending on the attachments (separately sold) Plea refer to the specification "Torque Gauge/ Motorized Torque Stand Table Attachments" Torque data sampling rate 2000 data/ sec Torque data sampling rate 2000 data/ sec Torque data sampling rate 16 data/sec USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive *USB flash drive is not included. Output "Torque gauge Torque gauge Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto poworff)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Overload prevention Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) supply Test stand AC100V- 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(W data logger simple software), Power cable, AC adapter, Torque gauge				
Model: Allowable sample height "Other sample height is allowable. Please contact us. "The allowable sample diameter is depending on the attachments (separately sold) Please refer to the specification "Torque Gauge/ Motorized Torque Stand Table Attachments" ("Torque Gauge/ Motorized Torque Stand Attachments") Torque data sampling rate 2000 data/ sec Torque data sampling rate 2000 data/ sec Torque data sampling rate 16 data/sec USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive "USB flash drive is not included. Output "Torque gauge Torque gauge Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto poworf)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Overload prevention Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) supply Test stand Ac100V - 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(W data logger simple software), Power cable, AC adapter, Torque gauge </td <td></td> <td></td> <td></td>				
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Output USB, serial (RS232C), analogue(Approx. +/- 2V), comparator, overload, sub comparator, USB flash drive *USB flash drive is not included. Function Torque gauge Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto pow off)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Link function (*1) Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contre Overload prevention Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge	Torque dat	ta sampling rate	2000 data/ sec	
Output comparator, overload, sub comparator, USB flash drive *USB flash drive is not included. Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Function Torque gauge Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto powoff)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Link function (*1) Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge	Torque dis	play update	16 data/sec	
*USB flash drive is not included. *USB flash drive is not included. Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto powoff)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contro Overload prevention Power Torque gauge supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge			USB, serial (RS232C), analogue(Approx. +/- 2V),	
Function Torque gauge Customized display(header and footer)/ Peak Hold mode(CW/CWW)/ Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversib display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto pow off)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Link function (*1) Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contr Overload prevention Power supply Torque gauge Rechargeable battery (8 hour using /2 hour full charge) Power supply Torque gauge Rechargeable battery (0 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge	Output		comparator, overload, sub comparator, USB flash drive	
Function Torque gauge Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversible display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto poworff)/ Dumpling/ Time display/ 1st 2nd peak/ Setting lock Function Test stand Manual mode, JOG mode, Speed adjustment Angle detection at torque peak / Angle zero reset at the selected torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contre Overload prevention Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge			*USB flash drive is not included.	
Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) Supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w Graphing software Force-Recorder Professional, Driver CD-ROM(w		Torque gauge	Internal memory (1000 data)/ Comparator(OK/NG judgment)/ Reversible display/ Sign inversion/ Zero clear timer/ +NG alarm/Off timer(Auto power	
Link function (*1) torque/Automatic mode (CONTINUOUS,ONE WAY), Torque contron Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(weight data logger simple software), Power cable, AC adapter, Torque gauge	Function	Test stand	Manual mode, JOG mode, Speed adjustment	
Overload prevention Power Torque gauge Rechargeable battery (8 hour using /2 hour full charge) supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gauge			Angle detection at torque peak / Angle zero reset at the selected	
Power supply Torque gauge Rechargeable battery (8 hour using /2 hour full charge) Supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(weight and the logger simple software), Power cable, AC adapter, Torque gauge		Link function (*1)	torque/Automatic mode (CONTINUOUS,ONE WAY), Torque control,	
supply Test stand AC100V~ 240V Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(we data logger simple software), Power cable, AC adapter, Torque gau Accesser			Overload prevention	
Operating environment Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH Graphing software Force-Recorder Professional, Driver CD-ROM(weight data logger simple software), Power cable, AC adapter, Torque gau	Power	Torque gauge	Rechargeable battery (8 hour using /2 hour full charge)	
Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gau	supply	Test stand	AC100V~ 240V	
Graphing software Force-Recorder Professional, Driver CD-ROM(w data logger simple software), Power cable, AC adapter, Torque gau			Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH	
Inspection certificate, tool, packing cardboard box.	Accessory		Graphing software Force-Recorder Professional, Driver CD-ROM(with data logger simple software), Power cable, AC adapter, Torque gauge connecting cable(CB-728), USB cable, Spare fuse, Instruction manual, Inspection certificate, tool, packing cardboard box.	

*1 It is necessary to connect a torque gauge with the included connecting cable to activate.



[Software operating environment]

Operating environment	OS: Windows 7/8/8.1/10		
	CPU :Pentium4(1GHz or more) or later recommended		
Hardware	Memory: 2GB or more recommended		
	Hard disk: 10GB(Data storage area) or more		
Plat form	.NET Framework4.6 or more		
Execute environment	Microsoft Internet Explorer6.0 or more		
Execute environment	Windows Installer 3.1 or later		
Image size	Resolution 1024×768 pixel or more		
Connecting port	USB1.1 USB2.0 port *we are not guarantee operation in USB3.0.		

[Optional chuck and table attachments]

	Standard chuck	Small chuck(*)	Pin chuck	M10 adapter
Upper				
MTS side	Model: MT-TB	Model: MT-ST	Sample diameter (Model)	Model:
	Sample diameter: 20~90mm	Sample diameter:7~50mm	-Largeφ1.2~13mm(MT-DC-13) -Medium φ0.5~6.5mm (MT-DC-6.5)	MT-AD-M10
			-Medium(Stain-less)(MT-DC-6.5SUS)	It helps to mount
			-Smallφ0.5~4mm(MT-DC-4)	attachment with
				a M10 female
				screw.

	Standard table	Small table(*)	Pin chuck	
Bottom DTXA side				F ta
	Model: DT-TB	Model: DT-ST	Sample diameter (Model)	s
	Sample diameter:	Sample diameter:7~50mm	- Largeφ1.2~13mm (DT-DC-13) - Medium φ0.5~6.5mm (DT-DC-6.5)	tł
	20~90mm		- Medium(Stain-less)	
			(DT-DC-6.5SUS)	
			- Smallφ0.5~4mm (DT-DC-4)	

Please refer to the table and chuck attachment specification for the details.

IMADA CO., LTD Torque-Angle Measurement Unit TAA series



[Caution]

-Please note if you add load over capacity, its sensor would be broken down.

-While loading torque, the deflection of the sensor or the stand could be detected as a displacement error.

- -An optional attachment and PC are not included.
- -The software may not work by conditions.

IMADA CO., LTD

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