

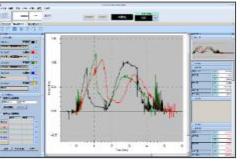
Screw-cap Tester DTXS/DTXA series

- Feature 1: High repeatability by high speed sampling rate.
- Feature 2: Various sample torque can be measured with the multiple tables and attachments
- Feature 3: Useful functions improving work efficiency.





↑Opening PET bottle cap torque test



↑Graphing software Force Recorder Standard (Selling separated item)

↑DTXA-10N

Feature 1: High repeatability by high speed sampling.

The high speed data sampling rate (2000 data / sec) captures momentary force and digitizes it. It helps to capture accurate force and realizes high repeatability at repeating the same measurements.

Feature 2: Various sample torque can be measured with the multiple tables and attachments

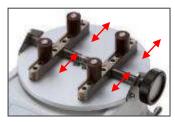
Changeable pins, tables and attachments. The users can choose the most suitable combination for their sample.



Change the table

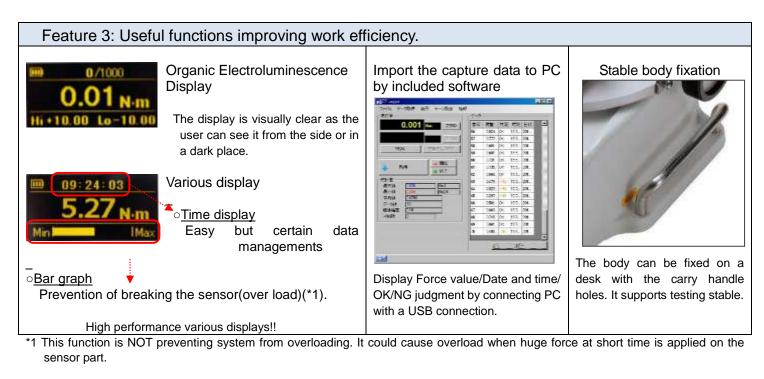


Insert other attachment or table



The pin types and the positions are changeable.





[DTXA limited functions]

Data saving to USB flash drive

Connect a USB flash drive with the included cable and save continuous data (100 data/min).

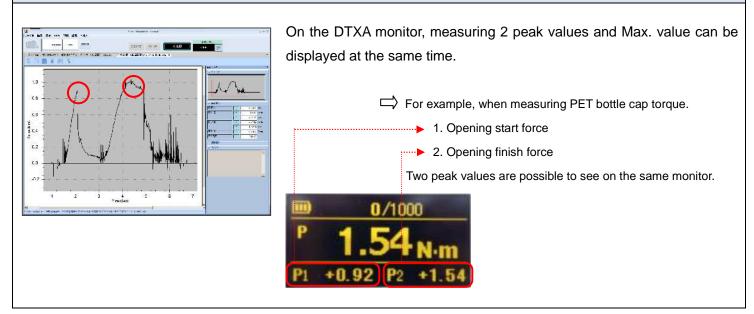
 \Box The measurements without PC can be drawn graphs on Microsoft Excel.





Saving Start/ Stop by pressing the send button.

Displaying multiple peaks





[DTX series force range]

Standard table / Standard pins are included

Model		Range	Display	Resolution
DTXA-2N	DTXS-2N	2 N-m (200N-cm)	2.000N-m (200.0N-cm)	0.001N-m (0.1N-cm)
DTXA-5N	DTXS-5N	5 N-m (500N-cm)	5.000N-m (500.0N-cm)	0.001N-m (0.1N-cm)
DTXA-10N	DTXS-10N	10N-m (1000N-cm)	10.00N-m (1000N-cm)	0.01N-m (1N-cm)

[DTXS/DTXA series specification]

2 models are available for your needs.

DTXA	DTXS	
Advanced model equipping various functions such as input/output the angles and saving to USB flash drive.	Simple standard model maintaining DTXA performance.	
±0.5%F.S	S.±1digit	
N-m, N-cm, kgf-m, kgf-cm, lbf-in, ozf	f-in (Unit switching is possible.)(*1)	
4-di	git	
10 time	s /sec	
Maximum 2000	data/ sec(*2)	
8 hours (8 hours	full charge)(*3)	
Approx.	200%	
Temperature: 0 – 40 degree Celsius Humidity: 20 -80%RH		
Customized display(header and footer) / Pea Internal memory(1000 point data)) / Reversible display/ Sign inversion Off timer(Auto power off)/ 1st2nd peak/ Angle detection at torque peak value(*4) / Angle zero reset at selected torque(*4)	Comparator (OK or NG judgment)/ n/ Zero clear timer/ +NG alarm/	
USB, RS232C, Mitutoyo digimatic Comparator 3 steps (-NG/C Sub comparator 2 steps (output of large or small judgment), USB flash drive, Angle(displacement)		
Approx.110%F.S. (Warning message and alarm)		
SEND (a point of contact holding), Zero reset, Peak ON/OFF setting		
Approx. 4.5kg		
Please refer to dimensions.		
AC adapter, Inspection certificate, CD driver (including simple software for data logging), , USB cable, Carrying case, L wrench, handles (10N-m range only) USB flash drive adapter (*6) -		
	Advanced model equipping various functions such as input/output the angles and saving to USB flash drive. ±0.5%F.S N-m, N-cm, kgf-m, kgf-cm, lbf-in, ozt 4-di 10 time Maximum 2000 8 hours (8 hours Approx. Temperature: 0 – 40 degree Ce Customized display(header and footer) / Per Internal memory(1000 point data)) / Reversible display/ Sign inversio Off timer(Auto power off)/ 1st2nd peak/ Angle detection at torque peak value(*4) / Angle zero reset at selected torque(*4) USB, RS232C, Mitutoyo digimatic Comparator 3 steps (-NG/C Sub comparator 2 steps (output of large or small judgment), USB flash drive, Angle(displacement) SEND (a point of contact holding), Approx. Please refer to AC adapter, Inspection certificate, CD driver (USB cable, Carrying case, L wren	

*1 These are the specifications for International model. Please note that this unit is different from Japanese domestic model and international one.

^{*2} The recording rate to USB flash drive is maximum 100Hz.

^{*3} The battery is more consumed when connected to USB flash drive or a displacement scale.

^{*4} Angle(displacement) scale is necessary to valid this function.

^{*5} Not always available for Mitutoyo digimatic products.

^{*6} USB flash drive is not included

IMADA CO.,LTD Screw-cap Tester DTXS/DTXA series



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Data logger Simple software ZT-Logger	Main Functions	 Captures peak data Captures continuous data (10 data /sec) The recall of memory data Saves data in CSV format * Available data: Torque, Angle, Time OS: Windows XP/Vista/7/8(32bit/64bit) CPU: more than 1GHz Memory: more than 1GB 	
	Working Environment	- Hard disk : more than 2GB	
		all environmental combinations.	
Graphing software Trial version Force Recorder	Main Functions	 Making a graph with 2000Hz sampling speed Function to input memo to record information * Some functions are limited with trial edition. Please refer specification of Force Recorder for the detail of functions. 	Force Recorder
Professional Trial Edition Trial limit is 30days after installation.	Working Environment	 OS: Windows XP/Vista/7/8(32bit/64bit) CPU: more than 1GHz Memory: more than 1GB Hard disk : more than 2GB .NET Framework4 later 	
		* Please note that the software may not work in all environmental combinations.	

[Table Variations]

DTX series can be changed the table depending on the varieties of samples.

Standard Table

Standard table	Standard pin	Feature
A state for	0	The table is available for φ20mm~φ160mm samples such as PET bottles, cans, bins and so on. Capacity is 10N-m. (The pin material: Stainless-steel and Urethane)
	•	The combination model of DTXS/DTXA series, Standard Table and Standard pins
		DTXS series : DTXS-○○N
		DTXA series: DTXA-00N
		*Please, choose $\circ \circ N$ from2N, 5N or 10N.

The pins are able to change below types.

Please refer to option attachment specifications for the details.

	Notch pin	Long clamp pin
Material	Stainless-steel	Stainless-steel and Urethane
Option pin	Ţ	ļ

IMADA CO.,LTD Screw-cap Tester DTXS/DTXA series

♦ Small table



Small table	Standard pin	Feature
		Ideal table attachment for small samples φ7mm~φ50mm. (The
		pin material: Stainless-steel and Urethane)
		*It is not able to mount to 10N-m type.
		The combination model of
		DTXS/DTXA and Small table and Standard pins
		DTXS series:DTXS-00N-ST
		DTXA series:DTXA-00N-ST
		*Please, choose ০০N from2N or 5N.

The pins are able to change below types.

Please refer to option attachment specifications for the details.

	Notch pin	Long clamp pin
Material	Stainless-steel	Stainless-steel and Urethane
Option pin		

♦No table model (Model: DTXS-00N-Z or DTXA-00N-Z)



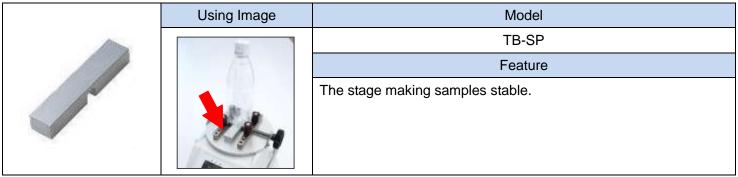
DTXS/DTXA solely selling is available. It can be mounted below the pin chuck and the original jigs the user creates.

Pin chuck DT-DC series

	Feature
	The three claws clamp samples such as wire and
	round-bar samples.
	Choose the size from Large/Medium/Small size.

[Table Accessary]

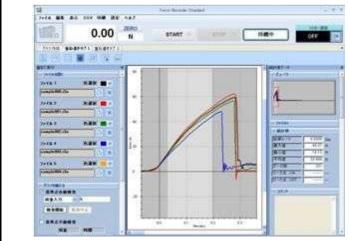
◆Sample stage for Standard table



IMADA CO.,LTD Screw-cap Tester DTXS/DTXA series [Related products]



Graphing Software: Force Recorder



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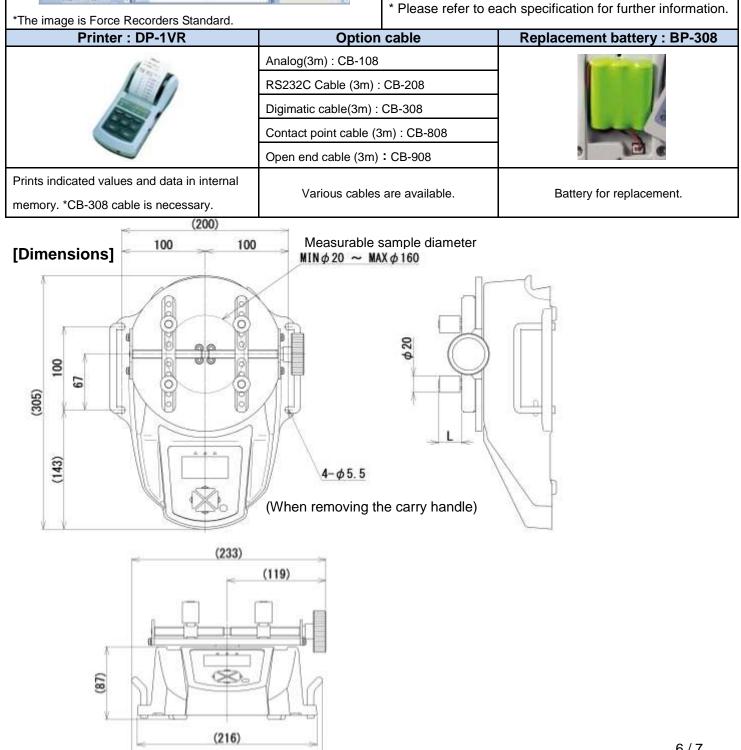
Main functions

- You can make graphs of force-displacement at real time via USB connection at 2000Hz.

- 5 graphs at maximum can be overlaid. (Standard, Professional edition)

- You can write memo on each graph. You may write down testing conditions such as testing speed.

* 3 editions are available as Light, Standard, and Professional.





[Calibration Certificate]

- We offer calibration certificate with extra charge.
- * Please contact us or our distributor in your country for further information.

[Cautions]

- The contents may be changed without previous notice.
- All of products are designed for measurement purpose only.
- Do not copy and use this content without authority.
- Please note if you add load over capacity, its sensor would be broken down.
- Please note some samples are not able to be clamp by the materials or the clamp pin types.