

TEX series Texture Tester



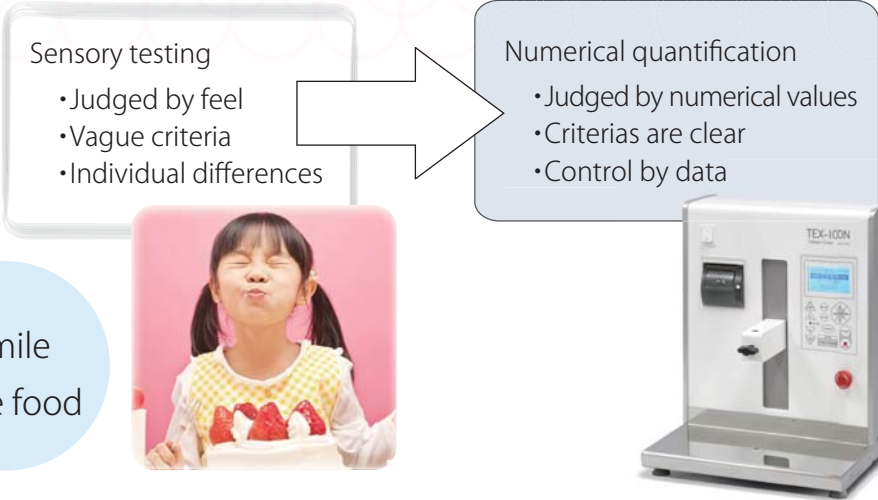
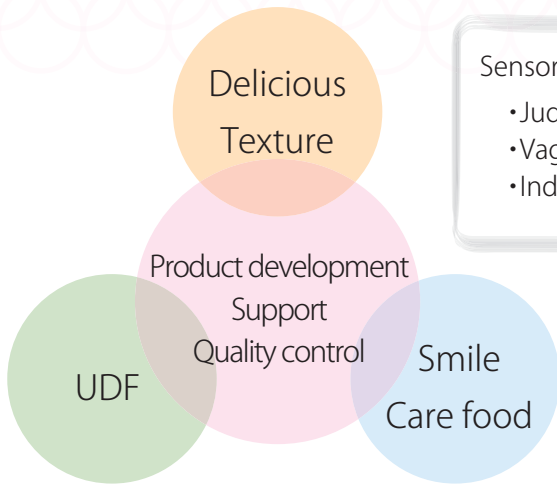
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JAPAN INSTRUMENTATION SYSTEM Co.,Ltd.
日本計測システム株式会社

Support you to produce tasty and safe food

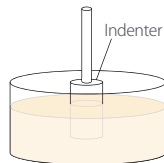
Texture tester TEX Series

Texture Tester 「TEX Series」 can be used for researching the food texture that affect the palatability, for developing food and for checking if the dysphagia food satisfies the criterias. The device will be a good support for quality control and inspection in food manufacturing industry.

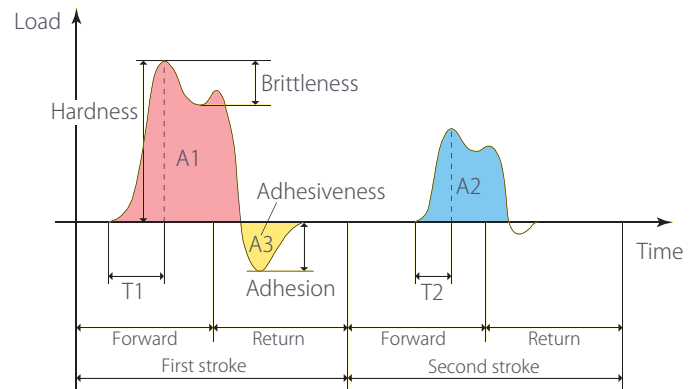


Texture testing

The tester measures by compressing the foods with jig (indenter) then automatically calculates the data such as hardness and adhesiveness based on the texture profile analysis method※



Texture profile analysis method



Measured data

The tester can provide you the following measurement results: Hardness, Adhesiveness, cohesiveness, Brittleness, Springiness, Chewiness, Gumminess and adhesive force.

※These results are calculated based on the texture profile analysis method.

Applicable tests for TEX Series

- Texture test
- Jelly strength test (JIS K 6503 or minced fish)
- Compression test
- Tension test
- Peel test

Cohesiveness ($A2/A1$)
 Springness ($T2/T1$)
 Gumminess (Hardness × Cohesiveness)
 Chewiness (Hardness × Cohesiveness × Springness)

Measurement example

Texture of the boil-in-the-bag soup on the market is tested for checking if it is conform to the criterias of dysphagia food.



Set the sample material on the platform. Select Texture from the MENU and press START key.



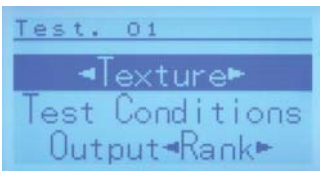
The sample material should be put in the vessel full to the brim.



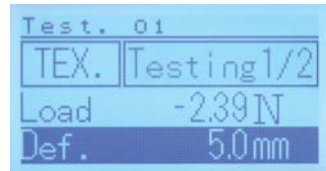
The plunger is pushed into the sample twice.



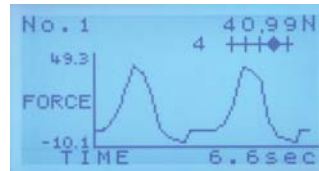
When the test is completed, the plunger returns to its original position.



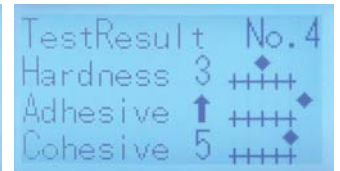
MENU Display



Mesuring Display



You can check the measurement result.



The measurement results can also be displayed as level values.

I can do it!

Recommendations

Automatic measurement by simple setting

Simply select the test method from MENU and input necessary requirements. Then the tester automatically operates the specialized tests.



Wide working space

The working platform has wide and flat area so that you can set big specimen or work with comparable specimens side by side.



Working space 150×338mm

Water Proof

Working space area has splash-proof structure and is safe for small amount of water.



Stainless steel is used for the working platform.
※ Be sure that the power switch, printer and back of the tester are not wet proof.

You can exchange the jig easily

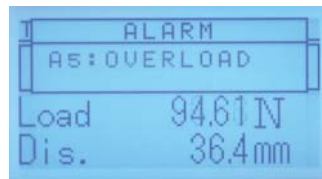
You can exchange the jig easily by turning the knob without using any tools.



Jig is exchangeable by turning the front knob.

Automatically stop when overload

The tester will automatically stop operation when it is overloaded.



Display when stop when overload
※Factory does not guarantee for overloaded tester

Small Size Design

Small size design enables the tester to be portable even for ladies.



It is easy to carry as the width is 35cm and 17kg weight.

Saved on USB memory stick

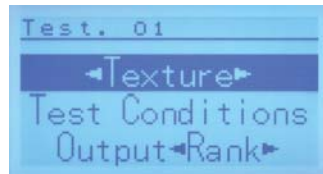
Test condition and data can be stored on a USB memory stick and import to a PC.



USB Memoru stick included.

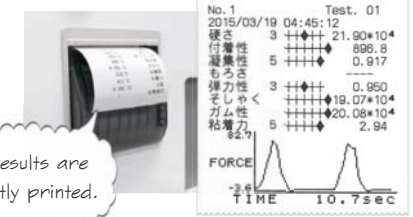
Easy-to-see display

The display shows simple graph, specimen's characteristic can be grasp at glance.



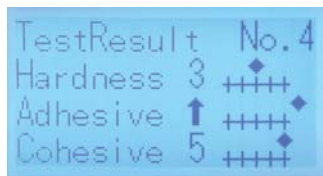
Come with printing function

The tester is equipped with printer and you can print the result just after measurement.



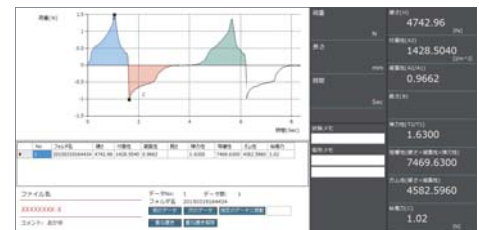
Judgment by level value

If the upper and lower limit values are set, the judgement can be displayed as a level value.



Tester comes with PC software

PC software for controlling data is a standard accessory. It is possible to connect the tester with PC and capture data.



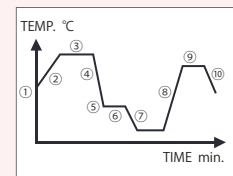
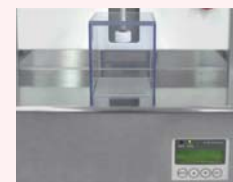
Enable the working table to temperature control

Peltier device built-in type **TEX-P** series



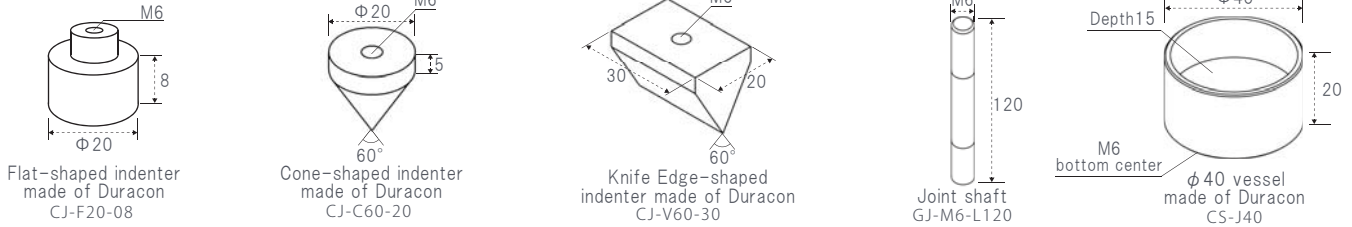
TEX-P Series are integrated temperature-controllable table texture tester. The Peltier element enables smooth heating and cooling the working table (70 x 70). The dedicated control unit allows separately control from the main unit. A wide temperature setting range of -30°C to +110°C is possible.

The Peltier unit is programmable (i.e. the ability to manipulate the temperature pattern over time), such as 'raise the temperature once, then cool it down and keep it at a constant temperature'. The temperature pattern can be set in up to 10 steps and up to 8 patterns can be stored.



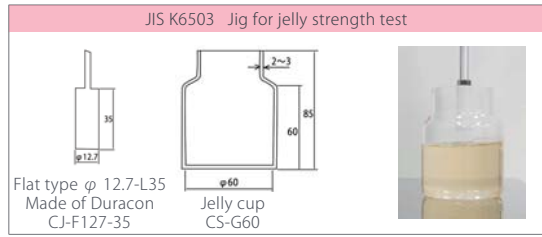
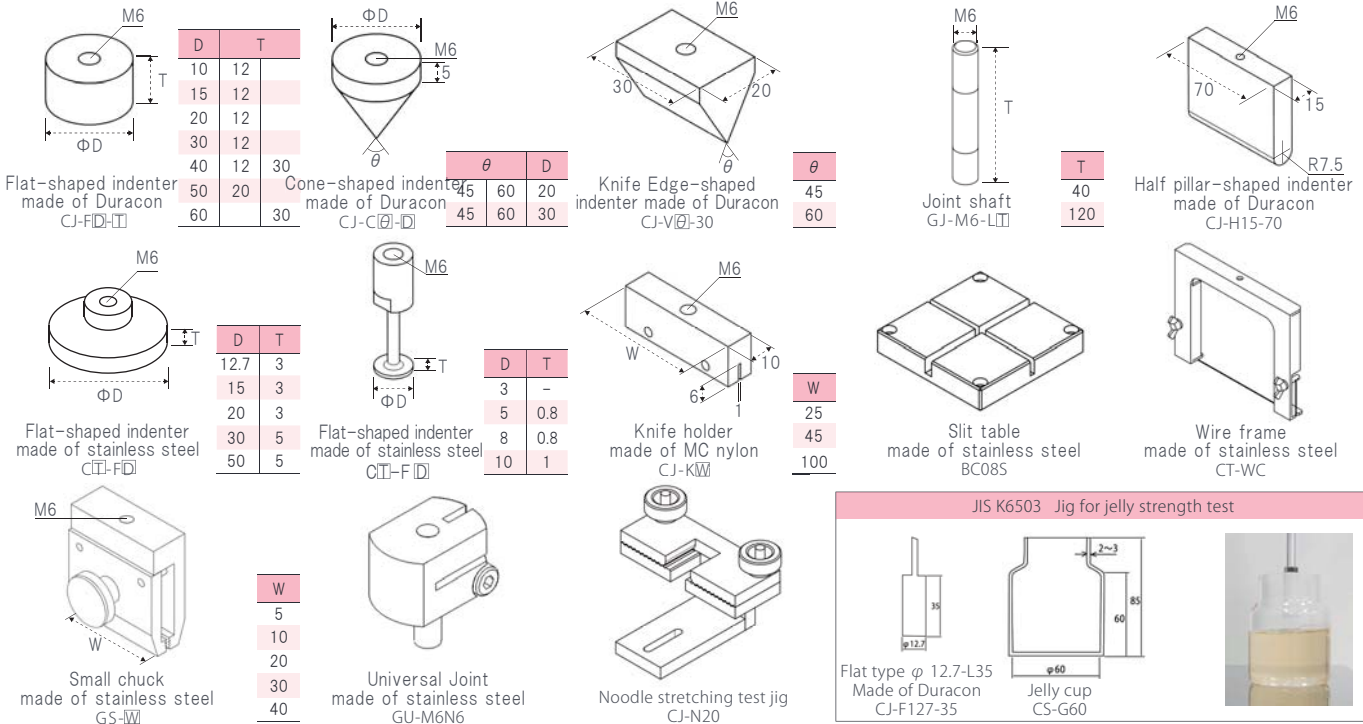
i.e. the ability to manipulate the temperature pattern over time

Standard jigs

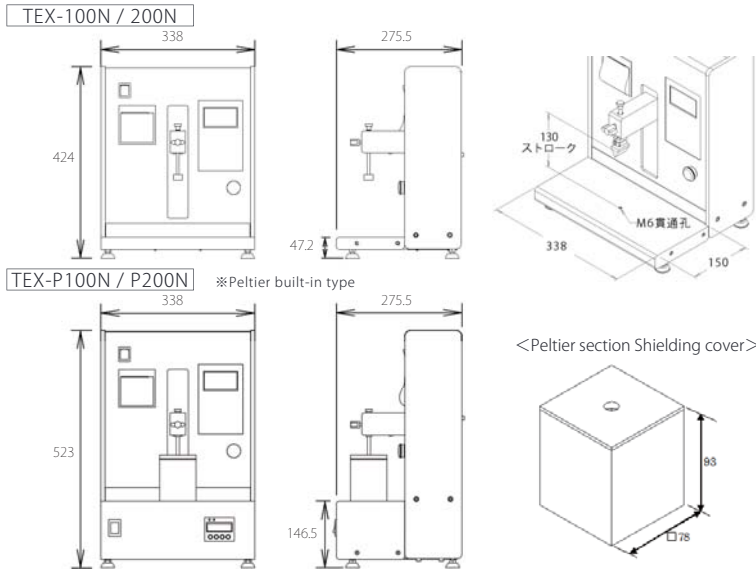


Optional jigs

If a separate jig is required, please contact us.



External appearance • Working platform



Specifications

Model	TEX-100N / 200N	TEX-P100N / P200N
Load capacity	100N / 200N	100N / 200N
Minimum length display	0.1mm	
Testing speed	1~600mm/min	
Ambient operating humidity range	10°C~40°C	
Ambient operating temperature range	85% or less (no condensation)	
Power supply voltage	AC100V~AC240V	
Weight	Approx. 17kg	Approx. 23kg
Language	Japanese • English • Simple Chinese Traditional Chinese • Korean	
Temperature setting range	-	-30°C~+110°C
Temperature display resolution	-	0.1°C
Heating capacity (max.)	-	40W
Cooling capacity (max.)	-	65W
Temperature control table	-	Approx. W70×D70

● Agent

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● Manufacturer

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