

Food Rheology Tester

- Possible to digitize the texture of food
- Easy to control and handle with simple button operations
- With an included software, test results can be easily drawn into a graph.



The body of FRT ↑

The software for graphing ↑
(ZP-Recorder) *PC is not included.

Feature 1	Feature 2	Feature 3
Easy to control	A graph of test results	Easy to keep cleanliness
<p>With simple button operations, the speed, stopping place and time set-ups are possible.</p> <div data-bbox="113 1659 477 1933" data-label="Image"> </div> <p>close-up of control panel</p>	<p>With the included software, the host computer can receive up to a maximum of 1000 measurements per second, this high speed data communication makes for a smoother and more accurate read.</p>	<p>Hygiene maintenance is easy since it is designed to take on and off probes, also make for an easy wipe-off.</p> <div data-bbox="1086 1688 1370 1984" data-label="Image"> </div>

*With a various kinds of probes, a variety of samples can be tested in different ways.

Applications			
Elasticity	Chewing Texture	Stiffness	Viscosity
			
Test for elasticity such as jelly, sponge cake	Test for chewing texture such as pasta	Test for stiffness such as chocolate	Test for viscosity such as cheese or soup

Specification			
Model	FRT-5N	FRT-50N	FRT-100N
Overload capacity	5N	50N	100N
Accuracy	±0.2% F.S.±1digit		
Stroke of a table	Approx.100mm		
Max deflection	Below 0.2mm(the body of machine + load cell)		
Weight	Approx.11kg		
Accuracy of displacement	±0.03mm		
Speed range	0.1-10mm/sec		
Accuracy of speed	±1% of the setting value		
Power*	AC100-240V ±10%		
Power consumption	75W		
Temperature Range	0-40 degree Celsius(without condensation)		

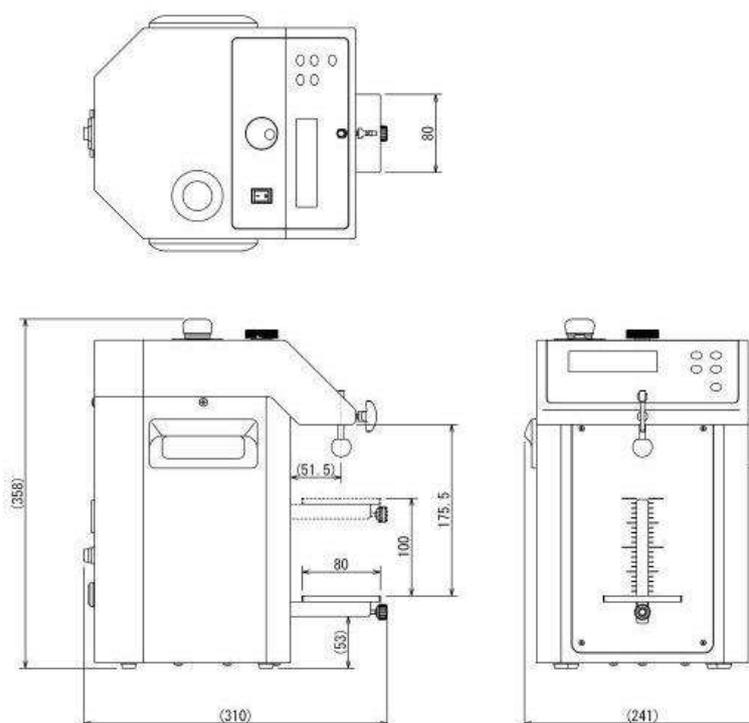
*Please specify voltage

Accessories			
Accessories	Power cable, Instruction manual, Inspection data sheet, Driver CD-ROM, USB cable, ZP-Recorder(the software for graphing)		
Probes	 Disk probe(FR-HA-20)	 Conical probe(FR-ES-2060)	 Wedge probe(FR-K60-2030J)
	 Sphere probe(FR-SR-20S)	 Probe shaft 50mm (FR-JS-50)	 Probe shaft 100mm (FR-JS-100)

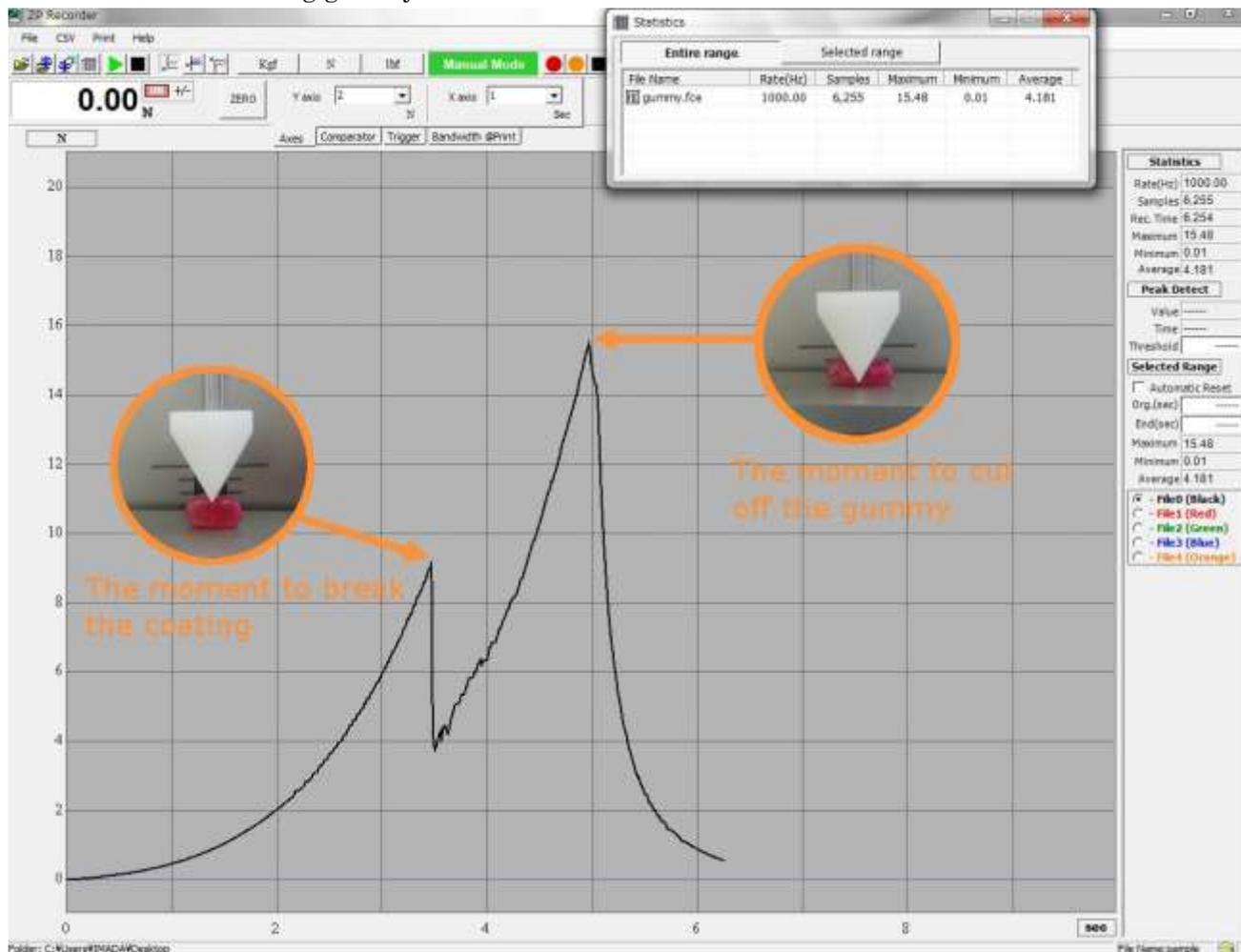
Option Probes Available (Each probe has another specification more in detail.)			
For compression tests	For tensile tests	For cutting tests	Tables to hold samples
			
A flat circle, needle and stick shapes are also available to measure the force of repulsion.	Strength can be measured by pulling with grips.	Stiffness can be measured by cutting with sharp edged probes.	Tables are helpful to hold samples for more accurate measurement.

*Option probes above are not included. *We cater made-to-order probes.

[FRT-5N, 50N, 100N]



[An example of graphing and the specification of software]



Specification of Software	
Record of test results	Sampling speed: Max 1000/sec
	5 graphs can be displayed on the same table.
	Possible to start recording automatically at the setting value
Graphing	Data can be saved by special extension, or CSV(compatible for Microsoft Excel).
	Possible to save and print the graph of test results
OS available	Starting points of graph can be set.
	Windows 2000, XP, Vista, 7(*)
Operating environment	Microsoft .NET Framework2.0
	Microsoft Internet Explorer 5.01 or later

(*) 64bit version is not available for 2000 and XP.

[Cautions]

- *The contents may be changed without notice in advance.
- *This product is designed for measurement purpose only.
- *Do not copy the contents without permission.
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