



Automatic Capsule and Soft Gel Hardness Tester



ULTIMATE USER-FRIENDLINESS



LEADING DEPENDABILITY AND RELIABILITY



STRICT COMPLIANCE WITH INDUSTRY STANDARDS



STOCKED CONSUMABLES AND SPARES



TRUSTED AFTER SALES TECHNICAL SUPPORT



LIFETIME PRODUCT SUPPORT ADVANTAGE

Description

Gelomat is an automatic capsule hardness tester designed for regular and soft gel capsule testing. This state of the art system is developed by the latest R&D technology to meet and exceed the highest quality standards for gelatin capsule testing. The system comes standard with your desired testing head and can be upgraded to optional accessories for maximum efficiency.

The Gelomat system is capable of performing hardness test procedure on materials such as gelatine capsule, plasticine, edible gelatine and more. The unique can be equipped with 2 load capacity option of 0-2N and 0-20N. These testing heads can be easily interchanged as per the operator's requirements. The supporting electronic unit offers a clearly arranged display with an easy menu navigation, USB-interface for data transfer modular, digital test system automatic recognition of the measuring range and measuring time functions.

Should a customized holding fixture for gelatine and capsule specimens be required, we have got you covered. Our Centrofix offers the optimal solution based on your required template for different shapes of capsules and the precise centring of gelatine capsules. Simply confirm the specific dimensions and the quantity of capsules that you are looking to test in a single test cycle and we will take care of the rest.



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Standard Configurations

- Gelomat Main Unit Test Stand
- Electronic Console
- Gelomat - Loading Unit
- Gelomat Measuring Device 0-20 N, test stamp $\varnothing 10$ mm OR test stamp $\varnothing 3.569 = 10$ mm²
- Official DAkKS/DKD-calibration certificate for 0 - 2 N or 0 - 20 N

Watch Video



Watch the Automatic Capsule and Soft Gel Hardness Tester product video.

[WATCH ON YOUTUBE](#)



Features

- The Softgel capsule hardness tester is a non-destructive solution providing the ultimate value of preserving inventory
- The Gelatine hardness tester is highly reproducible and built for the highest standard accuracy German-manufactured equipment has to offer
- The digital display unit offers clear convenient display and functionality including measuring range and measuring time function.
- Auto correction function built into the digital display for when measured values are above or below the limit value.
- User-friendly system designed to meet and exceed the highest standards of accuracy and repeatability in the Global marketplace
- USB Port for convenient data transfer.
- Customized holding fixtures to meet highest level of accuracy and testing efficiency
- Hysteresis function
- Fully integrated automatic measuring process
- The tablet hardness tester is the ideal solution for the pharmaceutical, paintball, and cosmetic industries.



Technical Specifications

Model #	NG-Gelomat
Test Method	Newton
Measuring Ranges	0-20 n / 0-2 n
Power Supply	100 - 240 VAC; 50 / 60 Hz
Fuse	2 pieces of fuse 3.15 a (3.15 at)
Power Consumption	max. 20 VA
IP Code	IP 30
Reading Output	LCD-graphic display (240x128 pixel) with brightness selectable led illumination
Resolution	0.1
Data Output	USB / RS 232 - 9600 baud, 1 start bit, 8 data bits, 1 stop bit
Dimensions (L x W x H)	
Test Stand	7.87 x 9.8 x 22.44" / 200 x 250 x 570 mm
Electronic unit	7.87 x 6.73 x 3.54" / 200 x 171 x 90 mm
Weight	
Test Stand	20 lbs / 9 kg
Electronic unit	4.4 lbs / 2 kg
















Accessories


- Centrofix Base DTZ CFB - Customized Centrofix for different configurations
- Capsule-attachment for gelatine capsule specimens
- HardTest - software for digital output and data export capabilities

| 0-2 N | 0-20 N


There are two load options for the testing with one being 0 - 2 N and the other 0 - 20 N. The manually rotated sample fixture can accommodate different shapes and sizes of capsules. For more efficient testing, the rotated sample fixture can be exchanged with an automatic version as an optional accessory.

 2 Oval minima: 1.5 - 2.3 cc: 0.050 - 0.142	 3 Oval minima: 2.4 - 3.0 cc: 0.148 - 0.185	 4 Oval minima: 3.1 - 4.0 cc: 0.131 - 0.245	 4 OvalHD minima: 3.5 - 4.0 cc: 0.191 - 0.146	 5 Oval minima: 4.3 - 5.0 cc: 0.265 - 0.368	 6 Oval minima: 5.2 - 6.0 cc: 0.320 - 0.370
 7.5 Oval minima: 6.0 - 7.5 cc: 0.382 - 0.642	 8.5 Oval minima: 7.0 - 8.5 cc: 0.451 - 0.524	 10 Oval minima: 7.5 - 10.0 cc: 0.462 - 0.616	 12 Oval minima: 8.5 - 12.0 cc: 0.511 - 0.739	 16 Oval minima: 12.4 - 16.0 cc: 0.764 - 0.986	 20 Oval minima: 17.0 - 20.0 cc: 1.047 - 1.232






Gelatin



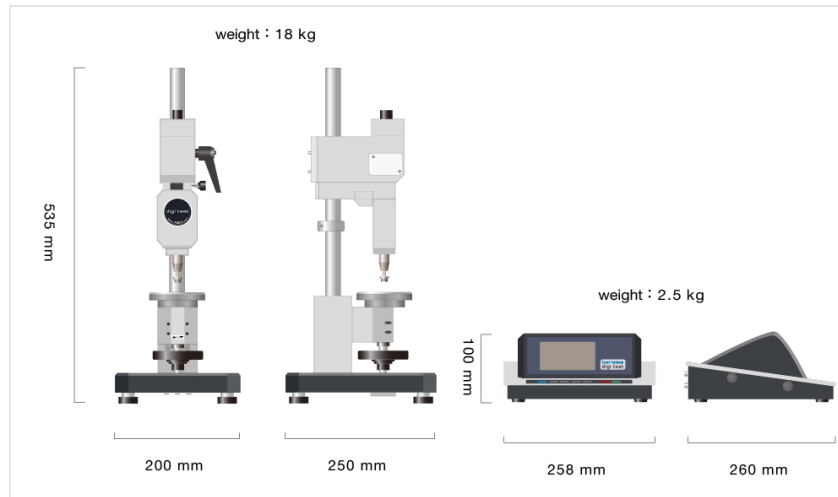
Gelatin Capsules



Plasticine



System Dimensions



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