Automatic Capsule and Soft Gel Hardness Tester

- German Manufactured
- Highest Accuracy and Repeatability
- Industry Certified
- Complete Calibration Solution
- Free Proof of Concept
- Custom Turnkey Solution Availability

Video: https://youtu.be/vKRUP39zJlg

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.

GELOMAT
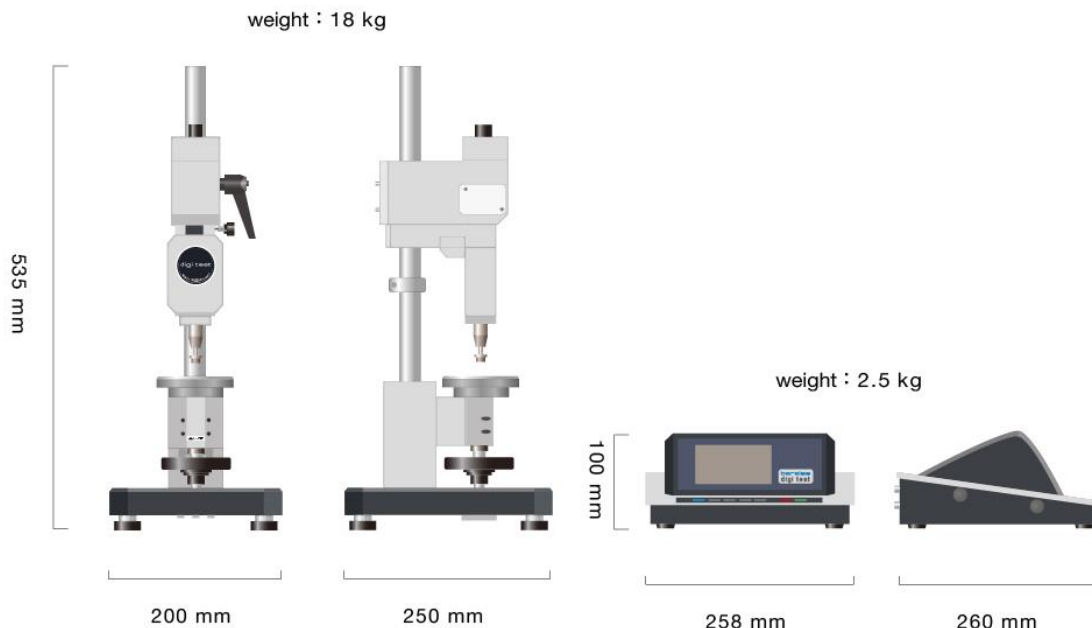AUTOMATIC CAPSULE DUROMETER

Features:

- ✓ 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 efficienct
- ✓ Hysteresis function
- ✓ Fully integrated automatic measuring process

Standard Configurations:

- ✓ Gelomat Main Unit Test Stand
- ✓ Electronic Console
- ✓ Gelomat - Loading Unit
- ✓ Gelomat Measuring Device 0-20 N, test stamp Ø10 mm OR test stamp Ø3.569 = 10 mm2
- ✓ Official DAkkS/DKD-calibration certificate for 0 - 2 N or 0 - 20 N

weight : 18 kg

535 mm

200 mm

250 mm

weight : 2.5 kg

100 mm

258 mm

260 mm

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

Features:

- ✓ Accessories
- ✓ Centrofix Base DTZ CFB - Customized Centrofix for different configurations
- ✓ Capsule-attachment for gelatine capsule specimens
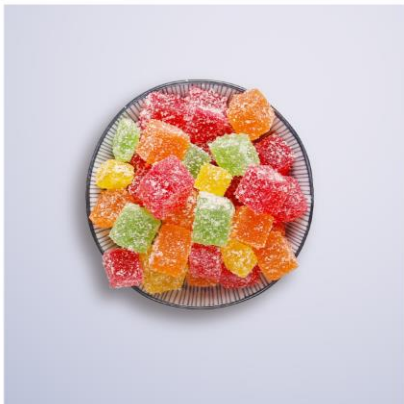- ✓ HardTest - software for digital output and data export capabilities
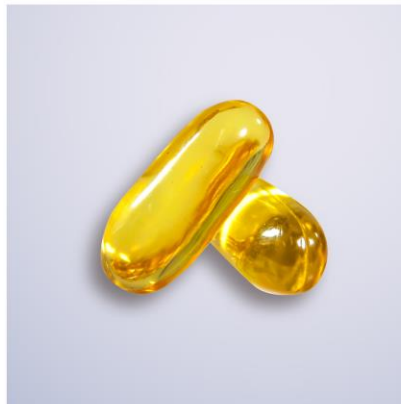
| 0-2 N | 0-20 N

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 accomondate different shapes and sizes of capsules.
For more efficient testing, the roatated sample fixture can
be exchanged with an automatic version as an optional
accessory.

2 Oval	3 Oval	4 Oval	4 Oval(2)	5 Oval	6 Oval
minims: 1.5 - 2.3	minims: 2.4 - 3.0	minims: 3.1- 4.0	minims: 3.1- 4.0	minims: 4.3- 5.0	minims: 5.2- 6.0
cc: 0.092 - 0.142	cc: 0.148 - 0.185	cc: 0.191 - 0.246	cc: 0.191 - 0.246	cc: 0.265 - 0.308	cc: 0.320 - 0.370

7 ½ Oval	8 ½ Oval	10 Oval	12 Oval	16 Oval	20 Oval
minims: 6.2 - 7.5	minims: 7.0 - 8.5	minims: 7.5 - 10.0	minims: 8.3 - 12.0	minims: 12.4 - 16.0	minims: 17.0 - 20.0
cc: 0.382 - 0.642	cc: 0.431 - 0.524	cc: 0.462 - 0.616	cc: 0.511 - 0.739	cc: 0.764 - 0.986	cc: 1.047 - 1.232

Gelatin

Gelatin Capsules

Plasticine

*** Request a <u>formal quotation</u> or send an e-mail to <u>sales@nextgentest.com</u>
for the most up-to-date pricing and applicable discounts and incentives**