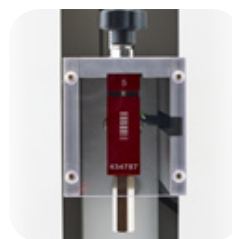


# TX-700



## The tactile texture analyzer

With its wide range of probes and cells, the TX 700 is the ideal tool for your texture analysis. Thanks to its touch screen directly displaying the curves, its method programming capability, storage and analysis of measurements, the TX 700 will integrate in laboratory and production area.



- Integrated PT 100 temperature probe.
- Direct visualization of curves.
- Programming and saving of methods.
- Memorization and data transfer.
- Wide choice of probes and cells.
- Interchangeable force sensors.
- Height adjustable tray.

# TX-700

## Activity domains



Food Industry



Cosmetics pharmaceuticals



Building materials



Teaching



Paint / ink / coatings



Car industry



Chemical / petroleum products



## Available instruments :

Part Number Instrument	Designation Instrument
N151010	TX-700 - 10 N TEXTURE ANALYZER
N151020	TX-700 - 20 N TEXTURE ANALYZER
N151050	TX-700 - 50N TEXTURE ANALYZER
N151250	TX-700 - 250 N TEXTURE ANALYZER
N151500	TX-700 - 500 N TEXTURE ANALYZER

# SPECIFICATIONS

### Type of instrument

Texture Analyzer operating in Compression and Traction with 7" Touch screen

### Choice of sensors

10 N (1 kg), Resolution 0.001 N (0.1 g)  
 20 N (2 kg), Resolution 0.001 N (0.1 g)  
 50 N (5 kg), Resolution 0.001 N (0.1 g)  
 250 N (20 kg), Resolution 0.01 N (1 g)  
 500 N (50 kg), Resolution 0.01 N (1 g)

### Accuracy

+/- 0.05 % of the full scale

### Speed range

From 0.1 to 10 mm/s +/-0.2 %

### Motion

Height: 240 mm / Resolution: 0.1 mm

### Temperature

The TX-700 has a PT 100 sensor to measure your sample's temperature from -50°C to +300°C

### Display

Force – Speed – Distance – Temperature - Time – Level of sensitivity - Date/hour - Choice of force units: gram or Newton

### Security and confidentiality

An «operator» function allows you to enter a username for your instrument. This user must then be identified using a 4-digit code. There is also a protected mode that locks your measurement conditions.

### Language

French/English/Russian/Spanish

### Compatible accessories

All probes and cell

### Supply voltage

90-240 VAC 50/60 Hz

### PC connections

RS232 Port and USB

### Printer connection

USB Host Port - Compatible PCL/5

### What benefits are there for you?

Integrated adjustable turntable: diam. 160 mm. Table for attaching inserts: 120 x 220 mm. Available Operating Modes: Compression – Relaxation – Traction – TPA Cycle – Penetrometry and relative compression mode also. Large selection of probes available and custom probes can be made with choice of material, shape and size according to your criteria. The TX700 has a large 7" colour touch screen which allows comfortable use and optimal viewing of measurements. Storage of your measuring methods. Data can be backed up and exported using a USB key. External control thanks to the optional software.




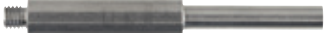




### Options

- Calibration kit :  
 10-20N (PN 150060)  
 50-250N (PN 150070)  
 500N (PN 150080)  
 - Software (PN 311005)

### Dimensions and weight

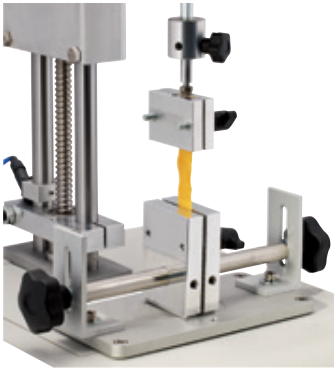
D610 x W340 x H650 mm  
 Weight: 22 kg

# PROBES FOR TX-700

Name Material	Part number	Ø (mm)	Height (mm)	Interest for	
<b>½ SPHERICAL PROBE</b> 316L Stainless Steel	130079 130019 130049	8 30 40	-	Consistency, elasticity, adhesion and spinning on gel and cream.	
<b>FLAT PROBE</b> 316L Stainless Steel	130080 130083 130101	34 40 50	-	Consistency, elasticity, adhesion and spinning on a solid of size smaller than the plateau.	
<b>BLOOM PROBE</b> PLEXIGLASS	130046	12.7	30	Bloom Gel Strength test	
<b>CYLINDRICAL PROBE</b> 316L Stainless Steel	130077 130063 130078 130066 130124 130099 130037	2 3 4 6 10 20 25	35 35 35 35 40 40 40	Measure in texture penetration on solid sample	
<b>CONICAL PROBE</b> 316L Stainless Steel	130020 130047 121023	25 30 30	20° Cone 45° Cone 30° Cone	Measurement in consistency penetration on solid sample (spreading)	
<b>DUAL CONE</b> 316L Stainless Steel	130048	65	Angles α1 90° α2 30°	Internal Firmness, Penetrometry	
<b>CLEAVER PROBE</b> 316L Stainless Steel	130064	L. 25 mm	Angle 60°	Breaking Force, Knack	
<b>SPHERICAL PROBE</b> 316L Stainless Steel	130149	20	-	Consistency, elasticity and adhesion on soft to strong sample	

More size and material on request ( Aluminium, PEEK, DELRIN, PMMA)

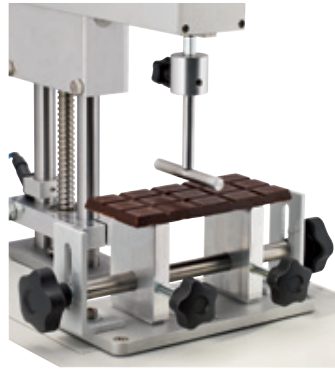
# CELLS FOR TX-700



## TENSILE FIXTURE

ALUMINIUM  
(PN 130092)

Tensile force



## 3 POINTS BEND FIXTURE

ALUMINIUM  
(PN 130091)

Breaking force, Friability,  
Springiness



## KRAMER CELL 5 BLADES

ALUMINIUM+PLEXIGLASS  
(PN 130094)

Hardness and tenderness  
on small samples



## COMPRESSION CELL FOR FILM

(PN 130031)

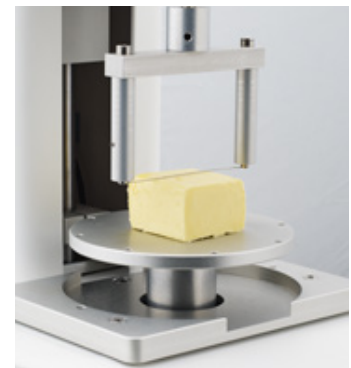
Accessory to measure strenght  
of film



## LIPSTICK CANTILEVER FIXTURE

(PN 130147)

Accessory to measure strength  
of lipstick



## WIRE SHEAR CELL

(PN 130076)

Accessory to measure consistency  
of product as Butter or Cheese

## TX-700 Cells

We can also make custom probes  
and cells on request.



## WARNER-BRATZLER CELL

(PN 130074)

Cutting blade fine