

CT3™ Texture Analyzer

compression and tension testing for rapid QC analysis

An extensive history and customer input have contributed to the development of the most powerful, low cost, stand-alone Texture Analyzer ever produced. With six test modes (plus calibration check) and a wide choice of accessories, no other texture analyzer has ever done so much without requiring a computer and software!

Standard Test Modes

Normal Test:

a single compression cycle

Hold Time Test:

compress and hold

Cycle Count Test:

compress multiple times

Bloom Test:

gelatin bloom strength test

TPA Test:

texture profile analysis

Tension Test:

tensile testing

Surimi Test:

gel strength

Static Load Test:

calibration check

Texture Loader Software

allows up to ten custom tests and ability to lock parameters

Compression distance

up to 10cm, can accommodate sample up to 22.5cm, almost 9 inches tall. Probe shaft is 8cm from back wall.

Choice of Load Cells

7 measurement ranges up to 50kg

Choice of Base Tables

allows for larger samples and more accessory choices



CT3 with Fixture Base Table and Cylindrical Probe in compression (TPA) mode

What's Included?

Instrument with choice of load cell
Texture Loader Software
USB & Power Cables

What else do I need?

Rotary Base Table, Fixture Base Table (see below) or Adjustable Base Table (p66)
At least one probe or test fixture (p60-64)

Optional Accessories

The CT3 has a wide variety of probes, fixtures and jigs which enable it to be very versatile. AMETEK Brookfield can also custom design a fixture and probe for most applications.

TexturePro CT Software TA-CT-PRO-AY (p59)
Temperature Probe DVP-94Y
Bubble Level TA-LVL
Calibration Weight Set (p59)
Gelatin Bath System for gel conditioning (p57)
Bloom Jar - industry approved TA-GBB-2

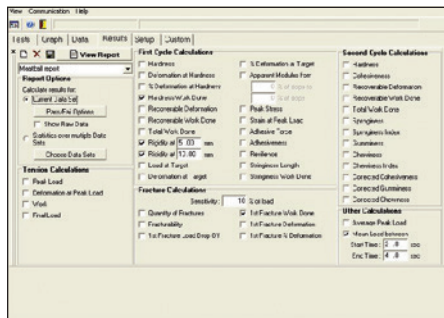
TexturePro CT Software Optional

COLLECT DATA AND PERFORM DETAILED DATA ANALYSIS WITH REAL-TIME GRAPHIC PLOTTING.

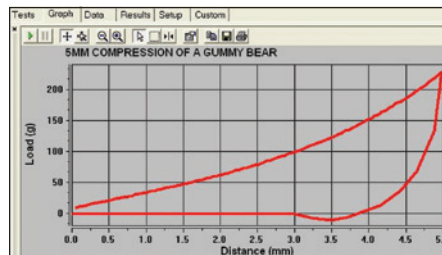
While the CT3 can perform many tests in stand alone mode, use of TexturePro CT Software permits creation of multiple tests and automatic execution without operator involvement.

Easily create custom reports and graphs right from the menu screen.

- Sample identification set-up screen helps new operators quickly get started; test fields outline a variety of parameters
- Intuitive set up for test methods and database file structures in a single window
- Data is captured as a graph and stored in tabular database format
- Advanced data analysis with built-in parameter calculations such as springiness, chewiness, hardness and much more!



Sample Test Set-up



On Screen Live Force Deformation Curve



Tension Mode

provides tensile testing capability

MODEL	Load Range / Resolution*
CT3-100	0-100g/0.01g
CT3-1000	0-1000g/0.10g
CT3-1500	0-1500g/0.20g
CT3-4500	0-4500g/0.50g
CT3-10kg	1-10000g/1.0g
CT3-25kg	1-25000g/2.0g
CT3-50kg	2-50000g/5.0g

g = grams kg = kilograms *Accuracy = ±0.5% Full Scale Range (FSR)

ALL CT3 MODEL SPECIFICATIONS	
Speed:	
Range	0.01-0.1mm/s (increments 0.01mm/s) 0.1 - 10mm/s (increments 0.1mm/s)
Accuracy	±0.1% of setspeed
Position:	
Range	0-101.6mm
Resolution	0.1mm*
Accuracy	0.1mm

mm = millimeter s = seconds
*Resolution 0.01mm when used with TexturePro CT Software



TA-CW-1500C

Calibration Weight Set contains a combination of certified weights which may be used to confirm the calibration and linearity of each specific load cell.