

CT3™ Texture Analyzer

Stand-Alone Texture Testing for Production and QC Teams

When texture changes, you need answers fast – not a complex setup. CT3 (Compression and Tension) is built for quick, repeatable testing in stand-alone mode. Using standard methods, QC teams can run simple pass/fail checks and make confident, repeatable decisions for routine production and batch release.

Why CT3

- **Fast checks** for incoming materials, in-process control, and batch release.
- **Stand-alone operation** with built-in test modes reduces setup steps and training time.
- **Standard test modes plus calibration check** support repeatable method setup and QC workflows.
- **Compression and tension testing** support rapid quality control pass/fail analysis.
- **Choice of load range** matches product strength and sensitivity needs.
- **Flexible probe and fixtures** expand sample sizes and application coverage.



- ◆ Routine Pass/Fail Testing
- ◆ Ideal for Simple, Repeatable Texture Measurements
- ◆ No Software Required

CT3 Model Specifications

Speed Range	0.01-0.1 mm/s in increments of 0.01 mm/s; 0.1-10mm/s in increments of 0.1 mm/s
Speed Accuracy	±0.1% of set speed
Position Range	0-101.6 mm
Position Resolution	0.1 mm
Position Accuracy	0.1 mm
Sample Capacity	Compression distance up to 10 cm; Accommodates samples up to 22.5 cm (<9 in)
Probe Shaft Clearance	8 cm from back wall
Load Cell Accuracy	±0.5% Full Scale Range under most conditions
Dimensions (W × D × H)	10.5 × 10.5 × 24 in (26.7 × 26.7 × 61.0 cm)
Weight	37 lb (16.8 kg)

What is included?

- Bundled base table and basic probe kit options for fast setup and immediate testing
- Power cables

What do I need to get started?

- Base table, if required
- At least one probe or test fixture matched to your sample

Load Cells

Range (g)	Resolution (g)
0-100	0.01
0-1,500	0.20
0-4,500	0.50
1-10,000	1.00

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What You Can Do with CT3

QC Testing

- Run practical texture checks for incoming materials, in-process control, and release verification.

Fast Pass/Fail Decisions

- Use standard modes to compare results against specification limits and support consistent, repeatable outcomes.

Stand-Alone Operation

- Perform common compression and tension tests without a computer or complex software – ideal for daily QC checks.



Features •

Simple QC Workflow

- Built for daily standalone QC work with quick, repeatable checks across operators and shifts without complex software.
- Standard test modes help reduce operator variability.
- Ideal for production and QC environments where fast decisions are needed.

Designed for QC Speed

- High-throughput workflow for routine testing

Flexible Setup

- Wide range of probes, fixtures, and jigs supports many applications
- Custom probes and fixtures available for specialized needs

Standard Test Modes

Seven standard test modes plus a calibration check:

- Normal – Single compression cycle
- Hold Time – Compress and hold
- Cycle Count – Repeat compressions
- Bloom – Gelatin bloom strength
- TPA – Texture Profile Analysis
- Tension – Tensile testing
- Hold-to-Load - Applies constant force
- Static Load – Calibration check

Which Texture Analyzer is right for you?

Choose CT3 if you need:

- Routine QC or production testing
- Fast pass/fail or batch-to-batch checks
- Simple setup with stand-alone operation
- No software

Choose CTX if you need:

- R&D, formulation, or method development
- Custom or complex test profiles
- Deeper insight from high-resolution data with software

Accessories Ecosystem

- Bubble level
- Calibration weight set
- Bloom jar – industry approved
- Wide variety of probes and fixtures for food, pharmaceutical, cosmetic, packaging, adhesive, rubber, and mechanical device testing

CT3 supports simple, repeatable methods across common applications—enabling fast, consistent QC checks without complex setup or software.

