

Texture Analyzer Comparison

CT3 vs. CTX

Two Solutions. One Trusted Brookfield Brand.

Whether you need simple quality control testing or advanced material characterization, Brookfield offers a texture analyzer designed to match your workflow, budget, and testing requirements. Choose the platform that aligns with the complexity of your application and the depth of insight you need.

AT-A-GLANCE COMPARISON

	CT3 Texture Analyzer	CTX Texture Analyzer
Best For	Routine Quality Control	Advanced QC, R&D & Method Development
Primary User	QC Technician	Scientist, Engineer, Researcher
Operation	Stand-alone instrument	Software-driven platform
Method Complexity	Simple, standardized tests	Simple to highly complex methods
Data Output	Pass/fail and QC metrics	Detailed force, distance, time, and texture profiles
Method Programming	Limited	Fully programmable
Sample Flexibility	Standard applications	Broad sample and material range
Software	Not required	TexturePro software available
Compliance Support	Basic documentation	21 CFR Part 11 option available
Future Expansion	Routine testing	QC, R&D, innovation, research
Best Fit	Fast, repeatable testing at a lower investment	Maximum flexibility and insight

WHAT ARE YOU TRYING TO ACCOMPLISH?

Your Need	Recommended Instrument
Minimize investment cost	CT3
Perform routine pass/fail testing	CT3 or CTX
Replace an existing CT3	CT3 or CTX
Verify production consistency	CT3 or CTX
Develop new products	CTX
Study texture behavior over time	CTX
Correlate sensory and instrumental results	CTX
Test multiple sample types	CTX
Support compliance requirements	CTX
Build methods for future applications	CTX



COMMON APPLICATIONS

Industry	CT3	CTX
Food & Beverage	Routine QC	Product Development & Research
Dairy	QC Testing	Texture Optimization
Confectionery	Hardness & Gel Strength	Formulation Studies
Pharmaceutical	Tablet Testing	Drug Delivery & Biomaterials
Consumer Products	Standard Methods	Advanced Material Characterization
Academic Research	Yes	Yes

Choose CT3 when... You need reliable answers, fast.

The CT3 is designed for organizations performing routine texture measurements using established methods. It provides simple operation, repeatable results, and a lower overall investment without the need for software or extensive method development.

Ideal Applications

- Incoming material inspection
- Production quality control
- Pass/fail testing
- Batch-to-batch consistency
- Standardized testing procedures
- Existing CT3 replacement systems

Why Customers Choose CT3

- Easy to learn and operate
- No software required
- Lower cost of ownership
- Fast setup and testing
- Proven Brookfield reliability
- Excellent for high-throughput QC environments



Choose CTX when... You need deeper understanding, not just pass/fail results.

The CTX is Brookfield's advanced texture analysis platform, combining programmable testing, high-speed data collection, interchangeable load cells, advanced reporting, and support for complex product development applications. It is designed for laboratories that require greater flexibility, traceability, and insight.

Ideal Applications

- Product development
- Formula optimization
- Shelf-life studies
- Texture-sensory correlation
- Research and innovation
- Regulated environments
- Material characterization

Why Customers Choose CTX

- Fully programmable methods
- Interchangeable load cells
- Up to 100 kg capacity
- 500 Hz data acquisition
- Advanced reporting capabilities
- Optional 21 CFR Part 11 support
- Scalable platform for QC and R&D



FINAL DECISION

Choose CT3 if your goal is:	Choose CTX if your goal is:
Simple. Reliable. Affordable. Repeatable.	Flexible. Advanced. Insightful. Future-Ready.
Routine quality control testing with proven Brookfield performance.	Comprehensive texture analysis for innovation, research, and advanced quality control.

