

Model BFT

Bottle Firmness Tester



Specifications:

Travel	1" at high speed + 0.5" at low speed
Compression Speed (low)	10 inches/minute (250 millimeters/minute)
Approach speed (high)	120 inches/minute (3050 millimeters/minute)
Diameter of bottles:	2.25" to 3.75" (55mm to 95mm)
Height of force application:	4" (100mm) measured from the bottom of the bottle
Amount of bottle compression	0 to 0.5" user adjustable (0 to 13 mm)
Resolution	0.01mm/.0005"
Repeatability	0.01mm/.0005"
Air supply:	80 PSI of filtered, non-lubricated air
Overall dimensions:	20"L x 7"W x 7"H (510mm x 175mm x 175 mm)
Instrument Weight:	20 lb (9 kg)
Gauge can be easily removed for calibration	
Stainless steel and anodized aluminum construction	

The BFT Tester is designed to pneumatically actuate a digital force gauge to test and evaluate the firmness of bottles. The instrument design allows adjustment for bottles with diameter between 2.25" and 3.75". The height where the force is applied is 4" from the bottom of the bottle. A maximum force of 100 lb can be applied at 60psi compressed air setting. The amount of bottle compression is user adjustable from 0" to 0.5". The instrument is equipped with a digital positional readout that will provide an absolute measurement of the bottle holder from pressure transducer. The probe will move 1" away upon test completion for ease of removal and loading of next sample.

Price List

Instrument Price:	\$ 6,200
TestWise Data Collection Software	\$ 875
Data Cable (required for Data Collection Software)	\$ 75
Estimated Crating	\$ 90
Freight and Insurance	at cost