

T 2020DC

A fully programmable universal tester designed for use in the rubber or textile industries.



ALPHATECHNOLOGIES
A Dynisco Company

Features

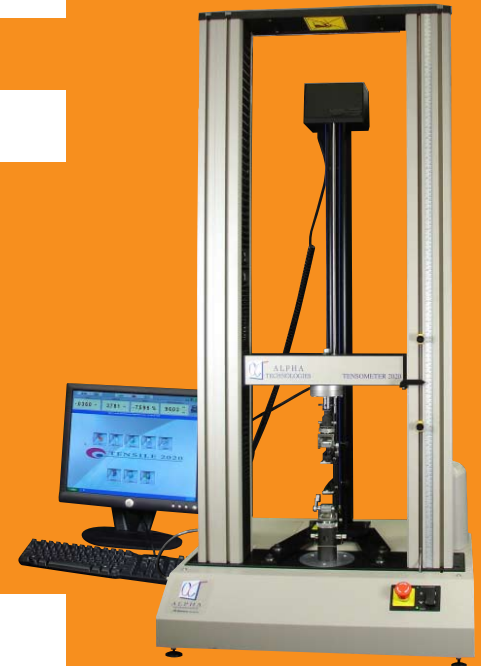
- Built to last.
- Many interchangeable grips.
- Meets ASTM D412 (ISO 37), D575 (ISO 815), D790 (ISO 178) and D885 (ISO 2062).
- Blue Hill software.
- Languages: English, French, German, Russian, Japanese.
- High elongation extensometer.
- Video extensometer.
- Tests in tension or compression.
- Environmental chamber for high and low temperatures.

Test Capabilities

- Unidirectional or cyclic (optional).
- Tension.
- Compression.
- Tear.
- Adhesion.

Performance

- Measures tensile or compression modulus of materials.
- Suitable for quality control and research and development.



T 2020DC with computer

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T 2020DC Specifications

Item	Units	Dual-Column Models		
		2020-DC5	2020-DC10	2020-DC30
Load Capacity	kN (lbf)	5 (1125)	10 (2250)	30 (6750)
Max Speed	mm/min (in/min)	1000 (40)	500 (20)	500 (20)
Min Speed	mm/min (in/min)	0.01 (0.0004)	0.005 (0.0002)	0.005 (0.0002)
Max Force at Full Speed	kN (lbf)	5 (1125)	10 (2250)	15 (3375)
Max Speed at Full Load	mm/min (in/min)	1000 (40)	500 (20)	250 (10)
Return Speed	mm/min (in/min)	1200 (48)	600 (24)	600 (24)
Position Control Resolution	µm (in)	0.118 (4.6)	0.057 (2.2)	0.054 (2.1)
Total Crosshead Travel	mm (in)	1122 (44.2)	1122 (44.2)	1122 (44.2)
Total Vertical Test Space	mm (in)	1193 (47)	1193 (47)	1193 (47)
Space Between Columns	mm (in)	420 (16.5)	420 (16.5)	420 (16.5)
Crosshead Speed Accuracy		±0.2% of set speed		
Load Measurement Accuracy		±0.5% of reading down to 1/100 of load cell capacity		
Height	mm (in)	1582 (62.3)	1582 (62.3)	1582 (62.3)
Width	mm (in)	756 (29.8)	756 (29.8)	756 (29.8)
Depth	mm (in)	707 (27.8)	707 (27.8)	707 (27.8)
Strain Measurement Accuracy		±0.5% of reading down to 1/50 of full scale		
Operating Temperature	C° (F°)	11°C to 38°C (50°F to 100°F)		
Storage Temperature	C° (F°)	-40°C to 66°C (-40°F to 150°F)		
Humidity Range		10% to 90% non-condensing		
Weight with Typical Load Cell	kg (lb)	110 (242 lb)	110 (242 lb)	121 (266 lb)
Maximum Power Requirement	VA	300	300	600
Single Phase Voltage	V	100 to 240	100 to 240	100 to 240

Options

- Compression platens.
- Pneumatic grips.
- Cord and yarn grips.
- Elastomeric long travel extensometers.
- Non-contacting video extensometer.