

COMPRESSION STRENGTH TESTER

ST-3077



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Specification

The Box Compression Tester made of a set of plates one is attached to the load measuring arrangement and the other is movable plate which is move with the help of motor, gearbox, and screw and nut arrangement, the movable plate have the facility of over travel and under travel. The load measuring arrangement is digital type. The box of which the compression strength is to be determined is placed on the lower plate, due to the motion of the movable plate the box is compressed and the compression load is directly read out on the digital indicator on the panel. The deflection of the box also measured with the help of the digital deflection indicator.

- The instrument is made in two parts, one is for main instrument and the other is the control panel.
- The ultimate test is to determining overall quality and performance of the container.
- The instrument is bright chrome plating, zinc plating, painted in metallic paints.

►► TECHNICAL DATA

Range/Capacity	up to 1000 kg
Least count	0.1 kg
Plate form size	1metre × 1metre
Accuracy	±0.1% on full-scale
Speed	Variable speed from 10 to 100 mm/min.
Gearbox	Worm reduction gearbox.
Power Supply	440VAC, 50Hz, 3Ph.AC

Loading indication : Digital type with the following facility

- Peak Hold
- Kg and N readout
- Soft key pad
- Calibration through software i.e., keys only,
- 10000 counts (i.e., 0.1 kg least count on 1000 kg load cell) (singed integer)
- Allow dual channel Encoder inputs to measure elongation

►► RELATED STANDARD

IS	7028 (Part VI) - 1987, IS: 7028 (Part IX) - 1987
TAPPI	T 804 om-02
ASTM	D 4577 – 94/D 642 – 98

COMPRESSION STRENGTH TESTER

Digital cum computerized model



The Box Compression Tester Computerized Model is a compact Instrument with user friendly controls & software made of a set of plates one is attached to the load measuring arrangement and the other is movable plate which is move with the help of motor, gearbox, and screw and nut arrangement, the movable plate have the facility of over travel and under travel. The load measuring arrangement is digital type. The plastic container of which the compression strength is to be determined is placed on the lower plate, due to the motion of the movable plate the box is compressed and the compression load is directly read out on the digital indicator on the panel. The controller is microprocce based and has the facility of over travel protection, Peak Hold, Tare and auto calibration. There is a socket in the indicator which is connected to the PC. The load directly indicated in kilograms or Newton. The deflection of the box also measured with the help of the digital deflection indicator.

- The instrument is made in two parts, one is for main instrument and the other is the control panel.
- The ultimate test is to determining overall quality and performance of the container.
- The instrument is bright chrome plating, zinc plating, painted in metallic paints.

►► TECHNICAL DATA

Range/Capacity	up to 1000 kg
Least count	0.1 kg
Plate form size	1metre × 1metre
Accuracy	±0.2% on full-scale
Speed	Variable speed from 10 to 100 mm/min
Gearbox	Worm reduction gearbox
Power Supply	220VAC, 50Hz, single phase
Power Required	1KW

►► LOADING INDICATION:

- Digital type with the following facility
- Peak Hold
- Tare
- Kg and N readout
- Calibration through software i.e., keys only,
- 10000 counts (i.e., 0.1 kg least count on 1000 kg load cell) (singed integer)
- Allow dual channel Encoder inputs to measure elongation

►► FEATURES:

- Digital Display (Incase computer is not available)
- Inbuilt hardware & software
- The Graph Test Report is Force vs Time.
- Report can be saved on desktop
- 10 Sample Reports can be seen on one Report
- Your company address can be placed in the Test Report
- Report has description of Product name, Operator, Batch, Shape, Standard, Date, Time & Remarks
- The Instrument comes complete with the Instruction Manual

▶▶ **HPLC Servicing, Validation, Trainings and Preventive Maintenance :**

- HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.
- Trainings :We also take up preventive maintenance to reduce downtime of HPLC’s Trainings.
- AMC’s/CMC : We offer user training both in-House and at customer sites on PLC principles, operations, troubleshooting.
- Validations : We have protocols for carrying out periodic Validations as per GLP/ GMP/U SFDA norms.
- Instruments : We offer instruments/Renting Services Modules like pumps, detector etc. on Rent.



▶▶ **About Analytical Technologies**

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

▶▶ **Our Products & Technologies**

						
UV/VIS Spectro 2060+ Double Beam	FTIR	Gas Chromatograph 3000	Gas Chromatograph 2979 Plus	Flash Chromatograph	Atomic Absorption Spectrophotometer	Liquid Partical Counter
						
Optical Emission Spectrophotometer	DSC/TGA	NOVA 2020 plus Automated Bio Chemistry Analyzer	HEMA 2020 Hematology Analyzer	Micro Plate Reader/Washer	URINOVA 2800 Urine Analyzer	Total Organic Carbon
						
Fully Automated CLIA	NOVA Basic Semi-Auto Chemistry Analyzer	PCR/Gradient PCR/ RTPCR	Blood Gas Analyzer	Random access Analyzer for immunoassay Proteins & clinical chemistry	Semen Analyzer	Water purification system

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award: Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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