



Universal Testing Machine

QC-528M1F (500N)

Computerized Tensile (compression) testing machine

Description

Model Q-528M1F has advantage in small size and light weight. The power supply is 100~240V, which can reduce the limit of the environment. It is a very good choice for small sample. The machine is equipped with step motor to perform high control and accuracy in speed. The load cell has memory function. User need not to do any additional setting when replace the load cell. The jog controller helps to do small displacement adjusting and force calibration.

Special M1F test software can be used on Windows 7 / 8/ 10 to control the machine. It can do tensile (compression) test, bending test, peeling test, constant force test, and various different kinds of testing. The software is very easy to operate, and it is with multi-language, various units and real time data presenting function. It offers complete analysis data. The software can export test report after testing, which helps to analyze and save the file. The model can be selected to equip only with display to do the operation for quick the test result accessing.

Industry

Plastic, Paper, Tape, Electronic, Medical, Package industry.

Appearance





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Specification

Model	QC-528M1F
Max. capacity	500 N
Units	Force: gf, kgf, lbf, N, kN, ozf, tonf(SI), ton(long), tonf(short) Pressure: Kpa, Mpa, psi, bar, mm-Aq, mm-Hg
Force Resolution	31 bits
Force Precision	1/100,000
Test stroke(w/o grip)	400 mm
Stroke resolution	0.05mm
Speed range	1 ~ 600mm/min (Can be set by computer)
PC-Port	RJ45(TCP/IP) [software optional]
Data sampling rate	400Hz (Max.)
Motor type	Step Motor
Feature	※Automatic reading of load cell feature information ※Automatic reading of displacement sensor feature information ※force display, displacement display, time display, stress display and strain display ※External analog input (2-channel simultaneous reading of voltage or current) ※Test force automatically zero ※Test force self-defined calibration ※Break detection ※Automatic return ※Force overload protection
Power Supply	Single phase 100 ~ 220VAC
Dimension	47.5x28.5x82.5 cm
Weight	30 kg



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Optional Accessory

(1) Displayer:

1. Adopted with 7- inch of TFT Color touch screen
2. Chinese, English, Japanese, Three different languages can be selected.
3. Data Display: Force, Stress, Torque, Displacement, Time
4. Test setting, can set test speed, test direction, automatic position return, breaking point machine stop.
5. Data analysis, can read the maximum force, internal force, breaking point force and so on.
6. Can be stand-alone calibration.
7. Various machine shutdown conditions setting (force, displacement, time, elongation).
8. Can be restored to the original factory state.
9. Unit selection can be Metric unit, Imperial units
10. Over-travel, overload protection and overtime machine stop
11. Can store up to 50 data, USB storage data function.
12. Support multiple sets of signal sources.





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(2) Extensometer

① QC-557 Short extensometer

which is applied in under 50% of elongation test.



② QC-551 Long extensometer

which is applied in over 20% of elongation test.



Software Function

1. Data sample rate faster can be set up to 400Hz.
2. Operation method: By keyboard and mouse control test, can also through up and down button to adjust the fixture position.
3. Compatible with Window 7 / 8 / 10 system.
4. Software has multi-languages with Chinese, English, Japanese, Korean, Spanish and Polish display.
5. Operating mode: TCP / IP interface, two-way transmission, the computer directly control the machine action.
6. Can import multiple test data display simultaneously.
7. Unit selection can be Metric unit and Imperial units.
8. Form flexibility, self-planning information analysis.
9. Data name can be self-set and can self-defined formula.
10. Test Screen can be selected data display, graphic display or simultaneous display.
11. Data processing: store, call, list, statistical comparison, etc.
12. Graph X-Y axis physical quantity adjustment, graph-specific mark, interval mark, slope and son on.
13. Test tensile, compression, bending, peeling, spring and other tests
14. Software protection: Overload, over -displacement, over-time protection
15. Variety of test actions, ex. hold tensile (compression), 10 grades of the actions.
16. Modularization of specimen setting, providing easy to set specimen.
17. Modularization of test conditions to reduce artificial setting negligence and error.
18. Key data capture, can set the upper and lower limits of test data specifications.
19. Support multiple sets of I / O signals, increase testing mechanism



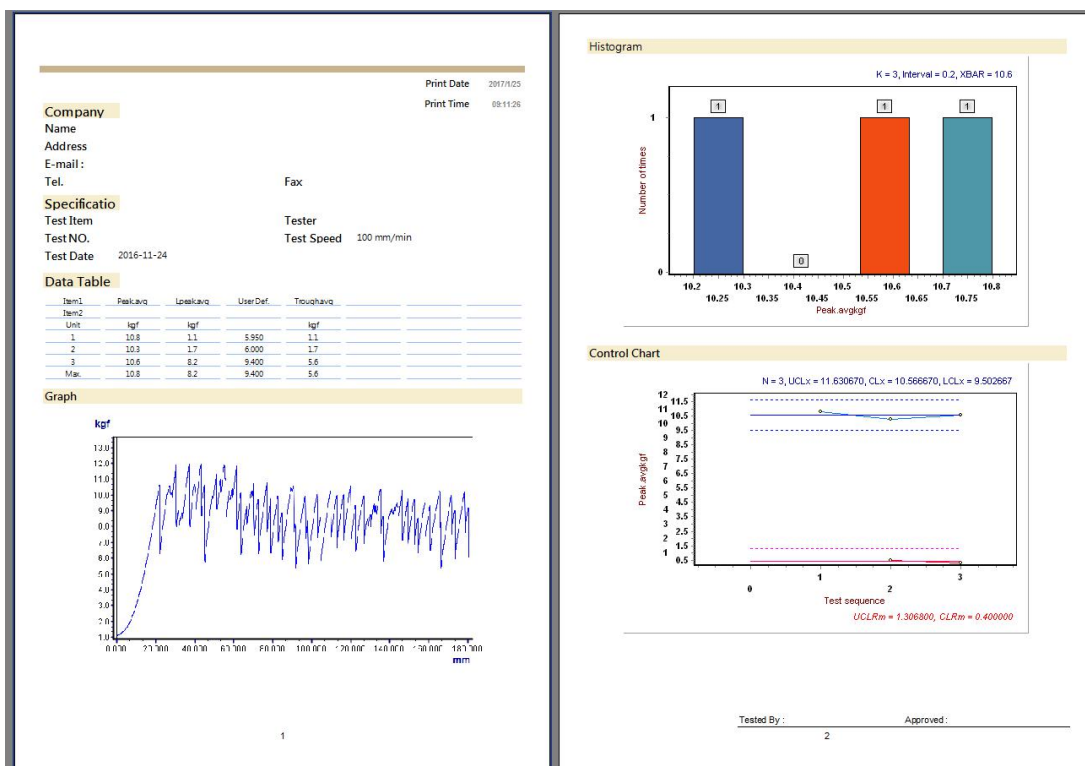
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Software

(1) Software interface



(2) Report



*Cometech reserves ultimate modification right of product specification.

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