

# Universal Tensile Tester

## Double column

Product code [RL-DCT-A](#)

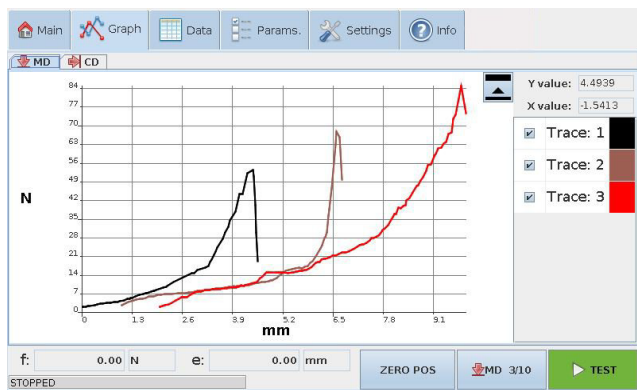
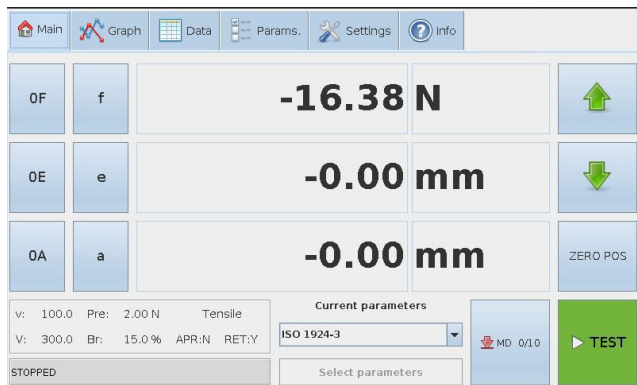
# RYCOLAB

For tensile or compression tests on different materials

### Characteristics

- Possibility to carry out tensile or compression tests just exchanging the testing accessories. Different type of materials can be tested : plastics, rubber, metal, fabrics, etc.
- 3 models available:  
Measuring range up to 10 KN  
Measuring range up to 25 KN  
Measuring range up to 50 KN
- High rigidity steel and aluminum frame.
- Driven by DC servo motor and high accuracy ball screws.
- Emergency push button.
- Protective bellows of the drive mechanism.
- Adjustable feet for the equipment leveling.
- Maximum travel: 1000 mm. Consult other travels.
- Testing and approaching speeds between 0.2 and 800 mm/min.
- Security. Electronic (programming) and physical (limit switches) overload protection.
- RS-232 interface for connection to management and control programs.
- USB connection for maintenance works and for connection with USB printer, pen drive and hard disk.
- Force readings with a resolution of 0.002 % of the FS, and extension readings with a resolution of 0.01 mm.
- Accuracy: <1% of the applied force in a range between 2% and 100% of the FS.
- CE Mark.





## User interface – Touch screen

- Machine controlled by means of a touch screen and two auxiliary buttons.
- Through the visualization and control screen, the total control and configuration of the machine can be managed.
- Easy and intuitive operation of the control menu, configurable in different languages.
- Possibility of selecting and defining multiple test results (breaking force, tensile index, elongation, tensile energy absorption (TEA), etc.). Two result tables with a maximum of 10 result types and 20 test results per table.
- Possibility of displaying the test results in graphic way.
- Statistical control. Mean value, standard deviation and maximum and minimum values.
- Different configurable units for the force, extension and speed parameters.
- Test maneuver with automatic return to initial position at maximum speed 800 mm/min.
- Setting of different breaking and preload levels.
- Periodical program updates (without additional costs).

## Software (Optional)

Through the available software, the machine can be controlled and managed from a connected PC. It will be possible to preset tests, configure the test parameters, save test results, display graphical curves, generate test reports, etc.

## Connections

- Electrical: 220/110V, 50/60Hz.
- Air: Clean and filtered – 6 bar

## Dimensions & Weight

- Width : 750 mm
- Depth : 500 mm
- Height : 1525 mm
- Weight : 180 Kg