

Single Column Dynamometer Mercury



Overview

The MERCURY Series Single Column Tabletop Testing Systems are ideal for tension and/or compression applications where tests are less than 5 kN. In addition, they provide simplicity, performance, and affordability for quality control (QC) labs and production testing.

Purpose: Carry out all kinds of tension, compression and fatigue tests till 5 kN (500 Kg)

Standard configuration (already included)

- 1 Load cell 5 kN (500 Kg) capacity (tension/compression);
- 1 Pair of standard flat universal screw action grips;
- 1 Intel NUC computer with 22" LED display monitor;
- Set of test programs for textiles, leather, soles, shoe, rubbers already stored on the database;
- Software package for tension, compression and fatigue tests.

Supplied with

- Instructions manual;
- Conformity; CEE and Warranty Certificates;
- Workshop Calibration Certificate;
- Electrical diagram.

Technical features

Power Supply: 230 V.AC – 50/60 Hz

Power Consumption: 2800 W

Air Supply: Not Required (Depending of required grips)

Main Features

Max. load capacity: 5 kN. Rugged construction with Single Column

Programmable test speed: up to 800 mm/min

Motion accuracy: 0.1 mm across the range

Accuracy of load cells: $\pm 0.5\%$ of the capacity of the load cell

Full software control (cyclic capability included)

Automatic transducer recognition

Wide range of optional grips and fixtures

Full CE compliance

Color: Grey base with white columns

Outstanding characteristics of our dynamometer range

- Advanced testing computer control technology, that provides fast response, high accuracy and exceptional reliability;
- 1 to 800 mm/minute, programmable speed with high accuracy control and acquisition;
- Multiple stage tests, the equipment software allows to add and configure all kinds of composite tests, combining traction and compression movements programmed stops and temporized cycles. This feature allows to perform all kinds of tests;
- Remote technical support, this important feature together with an internet connection allows the Customer to establish online contact with our technical department through SSL secure connection, to receive all kind of assistance, support to add new test methods or clarify doubts during the use of the equipment and the easy upgrade of the software with new features. This function is also very useful to remote share of Test Reports.
- Multilanguage feature, is a surplus value to our customers.

Recommended accessories

DP-07 ISO 20344:5.2 (Figure 5); ISO 17708:2018.

DP-11 SATRA TM33; ISO 17697:2016 (Method A).

DP-13 BAUMANN EN ISO 3377-2.

DP-15 ISO 11644:2009 | IULTCS/IUF 470 [Leather — Test for adhesion of finish].

Machine overall dimensions: 130 x 60 x 142 cm (Front x Depth x Height)

Net Weight: 175 Kg