

# Computerized Universal Tensile Tester

*A product from an ISO 9001-2000 Certified Company*

**ETS**



Model: CUTM- 1416

The **ETS** Computerized Universal Tensile Tester is the cumulation of years of experience by one of the world's leading manufacturers of materials testing machines. This new tester is designed for a wide range of applications including: Bending, Compression, Tensile Testing and Peeling using appropriate test attachments which are optional.

The tester offers excellent accuracy and ease of use. It is strong and durable enough to withstand many years of use, yet it has a compact load frame that provides greater flexibility of placement.

Whether you choose the basic unit or add the optional advanced software package, the tester sets the standard in Universal Tensile Testing.

The load cell used in this tester offer one-touch zero adjustment and load cell capacity discrimination guarantees accuracy and speeds the setup process.

This is particularly important when multiple tests are being performed.

## Software Package :

The tester offers a host of software features that allows programming of all parameters, operational control and real-time display of the on-going test. This software package allows the operator to conduct a wide range of tests with an almost limitless array of test parameters and displayed test information when used with a PC.

## Features :

- >Strong load frame
- >Displays all operational data - The Control Panel displays all Crosshead travelling Values in relation to actual load value vs elongation.
- >Memory function - Test data may be displayed, stored in memory for future reference or printed for reports, certification and presentations.
- >Simple operation - Test parameters are easily set through simple key & point & click Entry with the mouse.

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## **ETS INTARLAKEN TECHNOLOGIES**

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Specifications :

- > Max. capacity - available from 10 Kgf to 10,000 Kgf.
  - > Test Width (mm) approx. - 500mm
  - > Crosshead Travel (mm) approx. - 1000mm
  - > Effective Stroke (mm) approx. - 1000mm
  - > Crosshead Speed (mm/min) - upto to 500 mm/min
  - > Crosshead Return Speed - upto 500mm/min
  - > Tensile Load Measurement Accuracy - +/- 1%
  - > Stroke Limiter upper/lower - 2 points
  - > Power : 220-240 Volts, 1-phase,
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- > Test parameters displayed with graph simultaneously • Real time graphic display of data
  - > Overlay display of data curve possible during test
  - > Selectable graphical display presentation
  - > Other test methods can be programmed by the operator
  - > Return after a test is selected

Computer Hardware :

- >The latest computer hardware including an Ink Jet Printer and a 15” Colour Monitor.

Test Categories :

The following are a list of test categories that can be performed on the tester :

- >Tensile
- >Tearing
- >Creep
- >Compression
- >Adhesion
- >Humid environmental
- >Bending
- >Sticking
- >High-low temperature
- >Pull-out
- >Environmental
- >Peeling
- >Stress-relaxation

The above tests can be performed using appropriate optional test attachments.

If there is something, which is not listed, please contact us to discuss your requirements.

We can tailor make machines and programs to our customer’s requirements.

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