

Tensor™ Bolt Gauge

Bolting Solutions

**CURTISS -
WRIGHT**

Description

The Tensor™ Bolt Gauge is a stud elongation measuring system for use with any bolting that has an elongation rod installed. The equipment directly measures stud elongation and converts the data using real-time automatic calculations to provide quick and accurate measurement outputs for in-spec signoffs. It also archives these values, immediately saving the data in the event the hand unit is disabled or shut off.

Bolt Gauge Components

Hand Unit (HU):

Resistive touch screen with a straight-forward user interface that can be used with gloves. The device receives the measurements instantly and calculates the values to be quickly displayed for the operator to view. All values can be saved on a USB and transferred for additional evaluation.

Stud Unit (SU):

A cord-free tool with an enclosed depth micrometer mounted at the top of the stud. It can quickly complete and display a measurement within 5 seconds. It communicates and transfers the data wirelessly with the hand unit through Bluetooth.

Supporting Bolt Gauge Component PC:

Allows users to evaluate data received by the hand unit that can then be opened in an Excel spreadsheet.

How it Works

- The stud elongation measurement is captured by mounting a digital depth micrometer to the top of the stud, measuring the distance from the top of the stud to the top of the elongation rod. This value is subtracted from the initial measurement taken before the tensioners stretched the stud.
- Once measurements are confirmed by the operator, the data is stored on the cordless hand unit that communicates wirelessly with the depth micrometer.
- The data can then be wirelessly transferred from the hand unit to a computer in a csv. file format compatible with MS Excel for display and evaluation.



Key Features

- | | |
|---|--|
| • Easy to use | • Instant automatic elongation values |
| • Quick and reliable measurement | • Secured data |
| • Locked measurement sequences that cannot be manipulated | • Custom-made stud footprint for each flange |

CONTACT INFORMATION:

18001 Sheldon Road, Middleburg Heights, OH USA 44130
Nova@curtisswright.com | +1.216.267.3200

Nuclear
CWNUCLEAR.COM

LC - 1514 - 08.2024 - NV