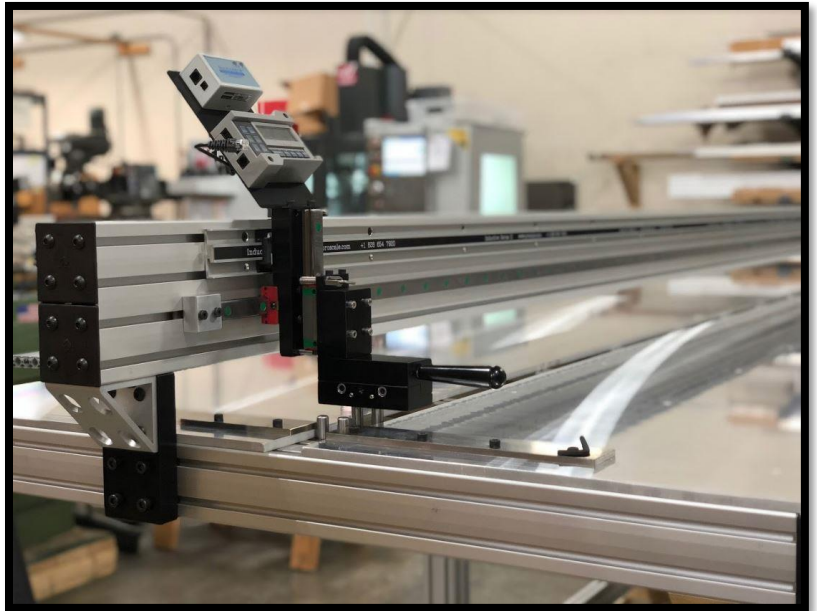


## ProTable-XU™ Length Measuring System

ProTable-XU is a linear measuring system capable of measuring a variety of parts. It is designed for use on a factory-floor, and can be configured for measurement of wood, plastic, metal shapes (including sheet metal), ceramic, glass, and more.

ProTable-XU can be configured to measure long shapes/profiles, mitered profiles, tubing/shafts, flat materials, even very thin or flexible materials. The base system is built on precision machined anodized aluminum profiles. The carriage is built on a recirculating ball bearing that slides on a hardened shaft along the center of the table, with the moving elements projecting down from the carriage.



Our ProScale® Series II inductive-coupling measuring technology<sup>1</sup> provides excellent performance and reliability in nearly all working environments. Standard contacts include ½" diameter hardened steel pins (for length, width, and squareness comparison), plus a 1.5" steel cone for edge-to-hole measurements<sup>2</sup>. A battery powered readout<sup>3</sup> travels with the moving carriage, and can perform absolute/incremental measurements, store up to 4 offsets (allowing for add-on tooling), send measurements using the built-in SPC port, perform Go/NoGo testing, plus many more functions.

Accuracy is guaranteed within +/- .003 inches across the entire measuring range (most systems), and the digital readout has built-in thermal compensation.

Adjustable feet are included for easy leveling (casters available on request).

Numerous options exist for different measurement applications/industries. Common system options include customized working height, custom table top materials, customized table width, support outriggers, and SPC Data converters/transmitters.

*Custom ProTable XU designs are just a phone call (or email) away<sup>4</sup>.*

## Features:

- Large battery operated Digital Readout.
- Selectable units: Inches, millimeters, centimeters, or fractional inches.
- Incremental measuring mode – for comparing parts against a master part.
- Fast slew rate – move the carriage up to 60 inches/second.
- The Digital Readout stores calibration information for 4 different inserts/attachments.
- Digital Readout functions include: Adjustable resolution, adjustable temperature compensation, Go/NoGo, Monitor mode, Upper and Lower limits, Offset addition, output mapping
- Automatic power-off after 15 minutes. Automatic power-on when carriage is moved.
- Built-in SPC port can be used to send measurements over wired or wireless connections.
- Automatic temperature sensing and auto-correction for thermal compensation.
- Each unit is supplied with a calibration report .

## Specifications:

- Accuracy: Within  $\pm.003$  inches over entire measuring range
- Repeatability: .001 inch or 0.01mm
- Resolution: .001 inches, .01mm, or 1/64<sup>th</sup> inches
- Power: 1ea. Size 123 Lithium battery
- Range: From 4 to 12 feet (Longer or shorter on request)
- Maximum slew rate: 60 inches per second
- Warranty 1 year

## Common Options:

- Custom measuring ranges
- Custom table sizes (width and length)
- Custom contact designs and/or materials
- Casters

## Custom Designs:

We work with customers daily to design unique measuring solutions, including the ProTable-XU designs and/or custom fixturing to suit particular measurement needs. You approve the final design concept using 2D, 3D, and/or internet collaboration tools before fabrication begins.

## Notes:

<sup>1</sup>Absolute encoder technology is also available

<sup>2</sup>Customized jaw material and geometries also available

<sup>3</sup>Different readout models are available (including externally powered units)

<sup>4</sup>Engineering work for custom designs is available at no charge to you (up to 4 hours)