

ProTable XY™ 2 Axis Dimensional Measuring System

ProTable-XY is a two-axis measuring system designed to measure panel or sheet type products from .025 -1.50 inches thick, on the factory floor.

The standard measurement surface is 3/8" thick hard anodized cast aluminum plate. Each measuring carriage is guided by a hardened steel recirculating bearing system. Back fences run the entire length of each measuring axis and are constructed of 3/8" thick nickel plated ground tool steel.

Our ProScale™ Series II inductive-coupling measuring technology¹ provides excellent performance and reliability in nearly all working environments.



The standard contacts are 1/2" diameter hardened steel pins². Battery powered readouts³ travel 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, some statistics on parts being measured, and many more functions.

Accuracy is guaranteed within +/- .003 inches across the entire measuring range, and the system has built-in temperature monitoring and thermal compensation. Adjustable feet are included for easy leveling. Numerous options exist for different measurement applications/industries. Common system options include customized Jaw design or material, Backfence addition (to insure all parts are consistently aligned by all operators), Casters, and Wireless Data system.

Custom ProTable XY designs are a phone call (or email) away⁴.

Features:

- Long life recirculating ball bearings on hardened steel rails
- Plated tool steel fences
- Selectable table material to suit a wide range of products/applications.
- 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: Go/NoGo, Summation of part lengths, MIN, MAX, and AVG statistics
- 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 ± 0.003 inches over entire measuring range (Standard Sizes)
- Repeatability: .001 inch or 0.01mm
- Resolution: .001 inches, .01mm, or 1/64th inches
- Power: 1ea. Size 123 Lithium battery
- Range: Standard sizes from 4 to 12 feet, custom sizes to 20 feet
- Maximum slew rate: 60 inches per second
- Warranty: 1 year

Common Options:

- Custom measuring ranges
- Custom jaw designs and/or materials
- Casters

Custom Designs:

We work with customers daily to design unique measuring solutions, including new ProTable-XY 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:

- ¹Absolute encoder technology is also available
- ²Customized jaw material and geometries also available
- ³Different readout models are available (including externally powered units)
- ⁴Engineering work for custom designs is available at no charge to you (up to 4 hours)

To learn more about custom options, software options, see a video of a system in action, or to discuss your specific requirements, contact Accurate Technology anytime by email: engineering@proscale.com, or visit our website at www.proscale.com.