

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. (Thinner materials can be measured on request.)

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 moving 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, customized fence design or material, working height, 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.