

ProTable TUBE Linear Measuring Machine

ProTable-TUBE is a linear measuring system designed for fast, easy, and accurate measurement of tubes, shafts, and rounds. It is designed for use on a factory floor, and is debris and coolant tolerant. ProTable TUBE is built using high quality materials and long-life bearings to insure smooth operation, and to minimize orthogonal, [Abbé](#), and cosine errors.

ProTable TUBE can be used for measuring wood, plastic, metal, ceramics, glass, and more. The battery powered system is also compatible with all of our data converter and transmitter products. The electronics have **built-in temperature monitoring and compensation**. Adjustable feet are included for easy leveling. Or, put the gage on a cart, or add our Leg Kit option with casters to have a mobile measuring solution.

ProTable-TUBE is available in 6 sizes from 25 inches to 145 inches range. The standard system works for diameters up to 3 inches. Accurate within +/- .003 inches, and supplied with NIST traceable calibration report.

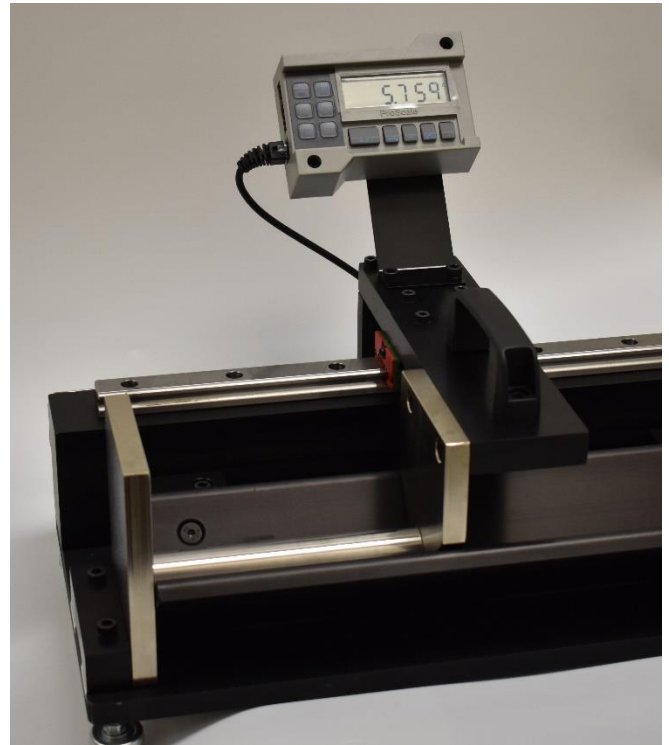
Product is designed and manufactured in the USA.

The built-in ProScale™ Series II inductive-coupling measuring technology¹ provides excellent performance and reliability in nearly all working environments. (Our Absolute series technology is recommended if the system will be used near high-frequency welding stations.) Standard jaws are ½" thick nickel plated & ground tool steel². A battery powered digital readout³ 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, statistics on parts being measured, and much more.

FREE factory customization is available for different product features/geometry⁴.

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: 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 measuring range (± 0.005 inches over 16 ft.)
- Repeatability: .001 inch or 0.01mm
- Resolution: .001 inches, .01mm, or 1/64th inches
- Power: 1ea. Size 123 Lithium battery
- Range: Standard sizes up to 20 feet
- Maximum slew rate: 60 inches per second
- Warranty: 1 year

Common Options:

- Leg Kit: Converts ProTable from table top to free-standing
- Casters: Makes ProTable mobile
- Custom jaw design or material: For special measuring applications and materials
- Optical System: For non-contact measurements (also allows location of features along the tube/shaft length, such as holes, slots, witness marks, etc.)
- Wireless Data Transmitter and Receiver System.

Custom Designs:

We work with customers daily to design unique measuring solutions, including new ProTable 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.

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

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)