

Linear Digital Measuring Solutions

Affordable
Accurate
Durable

Solving Measurement Problems



Quality Custom Cabinetry

"Accurate Technology makes a big difference on our shop floor."

Galen Newswanger (left)
VP Process Engineering

"We find that every piece of equipment we put an Accurate Technology measurement device on, it increases productivity greatly!"

John Fisher (right)
Supervisor, Door Assembly

PrimeWood

"We've purchased the same measurement equipment from Accurate for all seven plant locations within Woodcraft Industries."

Tom Erhart (left)
Quality Engineer

"We have several ProTables in use here from Accurate Technology."

Al Torrance (right)
Quality Assurance Manager



Shouldn't You...



...Be Using A ProScale Product?



Crane Plastics

"The ProTable allowed us to meet and exceed our customers expectations and removed any quality problems we've had in the past."

Joe Ewing (left)
Director Sales/Marketing

"With Accurate Technology we are eliminating our measurement problems. And, the ProTable sends wireless data straight to the SPC computer."

Bob Mullens (right) Senior Lab Technician

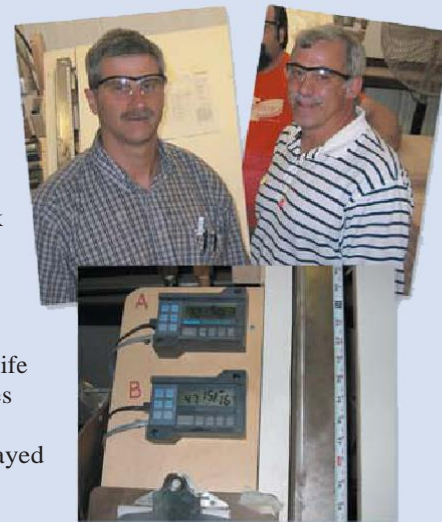
Meridian Products

"ProScales will speed production, reduce set-up time and check process accuracy."

Dean Youndt (left)
Engineering Manager

"Quality is a way of life at Meridian that gives us growth. ProScale measurement has played a major role in that growth."

Steve Groff (right)
Vice President Operations



Accurate Technology

In 1989 Accurate Technology began working with furniture, door & window, cabinet, millwork and other woodworking industries to develop products specifically designed to fit woodworking machinery and the environmentally demanding measurement applications in those industries.

Since then, Accurate Technology has manufactured and delivered over 600,000 ProScale Measuring Systems to the wood, plastic, glass, medical, avionics, tube & pipe, converting, automotive and other industries. We are proud of our ability to respond quickly to existing and new customers to provide a standard, or a custom designed measuring solution for their specific measuring requirements.

ProScale® General Purpose Measuring Systems

ProScale Digital Measuring Systems are a perfect solution for general purpose linear measuring requirements demanding an affordable, yet accurate, "better than tape measure" measuring solution. ProScale measuring systems incorporate two patented measuring technologies commonly found in precision measuring tools such as digital calipers and other digital gauges.

ProScale Models 150 and 250 use *Capacitive Absolute* measuring technology and are available in 9 standard sizes to measure up to 240 inches (6.0m).

ProScale Models 190 and 290 use *Inductive Incremental* measuring technology and are available in 8 standard sizes to measure up to 240 inches (6.0m).

ProScale Model 390 uses *Inductive Incremental* measuring technology and is available in 4 standard sizes to measure up to 120 inches (3.0m).

ProScale Model 590 uses *Inductive Incremental* measuring technology and is available in 5 standard sizes to measure up to 192 inches (4.8m).

All ProScales feature a "captive" Encoder on the Scale. This means there is never a gap to set or change.

All ProScales support multiple Encoder/Readout combinations operated simultaneously on the same measuring Scale.

ProScale measuring systems can be installed on virtually any new or existing machine to help position tooling, measure movement or monitor position drift. They can also be used to build custom measuring tools in applications where affordable accuracy, repeatability and data output are important requirements.

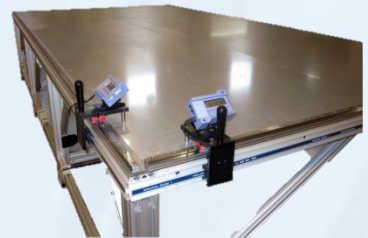


Several Digital Readouts are available for ProScale systems including LCD models powered by battery or 12-24VDC, a red LED, a Dual Input LCD, and a Virtual Digital Readout-VDRO Software.

Select Readouts are available with SPC (Digimatic™), RS232 or RS485 outputs. Typical Readout features include Inch/mm/cm/fractional display choice, Absolute/Incremental measurements, programmable Datum, position monitoring, measurement offsets, error compensation, upper/lower limits, go/no go presets, temperature compensation and wireless data transmission.

Quality Control Measuring Systems

Accurate Technology designs and manufactures turn-key and custom dimensional measuring solutions to address the linear measurement requirements of quality control and quality assurance for many products and industries. These systems, based on our ProScale measuring technology, measure, monitor and collect measurement data at a cost far less than high accuracy glass and other measurement technology systems. Our "fractions to 10 microns" products provide a battery operated solution built to minimize Abbe and cosine errors, are calibrated using NIST standards, and are ready for use on the manufacturing floor.



Woodworking Industry Products

For 25 years Accurate Technology has worked with the commercial woodworking industries to provide affordable digital measuring systems for machinery retrofits and quality control. This tradition continues with updated and new products focused on the needs of woodworkers and the challenges of their working environment.



Industrial and Data Acquisition

Many of Accurate Technology's products are used in a variety of different industries and applications. Products such as Digital Stop & Fence Systems for saws, Data conversion & wireless transmission products, D-A converters and software readouts and databases.



Consumer Woodworking Products

Since our beginning in 1989, Accurate Technology has developed and produced several products for the home hobbyist and small shop woodworkers. The original Digital Table Saw Fence Kit was developed by Accurate Technology in 1989 and is still produced with all other products here in the USA.



Accurate Technology products are proudly designed and manufactured in the USA.



General Purpose Measuring Systems

ProScale Model 150, 250, 150G & 250G

ProScale Models 150 & 250 are battery operated general purpose linear measuring systems designed for use on machinery or other applications requiring *Absolute* measuring capability. Models 150G and 250G have more robust shielding & grounding for 12-24VDC operation, wired data transmission applications and high (electrical) noise environments.

These models use *Absolute* measuring technology to provide reliable, accurate measurements that are immune to dirt, sawdust or other dry non-conductive contaminants making them an ideal choice for shops and other manufacturing environments.

Models 150/150G and 250/250G are supplied with an Encoder and an aluminum Scale. Several styles of Digital Readouts, as well as a wireless Encoder, wireless data transmitter, 3 input multiplexer and a D/A voltage converter are available for these models.

ProScale Model 190 & Model 290 Series II

ProScale Models 190 & 290 are general purpose linear measuring systems designed for use on machinery or other applications not requiring absolute measuring capability. These systems are direct replacements for ProScale Model 180 & Model 280 Systems.

These new models use a more robust Inductive technology to provide reliable, accurate measurements. They have a high resistance to dirt, splash contaminants and ESD. They have a velocity (slew) rate of 120in/sec.

Models 190 and 290 are supplied with an Encoder and an aluminum Scale. Several styles of Digital Readouts, as well as a wireless Encoder, wireless data transmitter, and a D/A voltage converter are available for these models.

ProScale Model 390 Series II

ProScale Model 390 is a hybrid general purpose linear measuring system. The Model 390 Scale profile is as wide as a Model 190 and as tall as a Model 290, providing a strong, narrow mounting solution. This is a direct replacement for the ProScale Model 380.

It is designed for use on machinery or other applications not requiring absolute measuring capability. It uses Inductive Series II technology to provide reliable, accurate measurements with a high resistance to dirt, splash contaminants and ESD.

The Model 390 is supplied with an Encoder and an aluminum Scale. Several styles of Digital Readouts, as well as a wireless Encoder, wireless data transmitter, and a D/A voltage converter are available for these models.

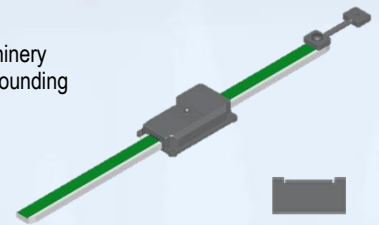
ProScale Model 590 Series II

ProScale Model 590 was designed as a stand-alone measuring system or to be the foundation of a user designed system for dimensional measurement applications. This new system is a direct replacement for the ProScale Model 580.

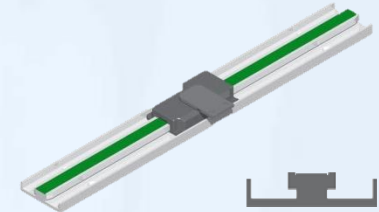
The Model 590 incorporates a unique dual rail extrusion design with integrated friction bearings. The sliding carriage that captures the Encoder traverses the scale on 4 friction bearings minimizing pitch & yaw of the encoder for the utmost in measurement repeatability. When coupled with a General Purpose Enhanced Readout incorporating both non-linear and temperature compensation, it provides the hardware and software necessary to maximize a user's overall system accuracy.

Model 590 uses Series 2 Inductive incremental technology to provide reliable, accurate measurements with a high resistance to dirt, splash contaminants and ESD.

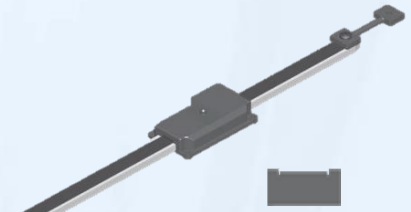
Model 590 is supplied with an aluminum Scale and a sliding carriage assembly that captures the Encoder on the Scale. This carriage has several holes predrilled for mounting a Readout, a wireless data transmitter, a handle or other user features as required for the application. The system can also be ordered with a wireless Encoder transmitter.



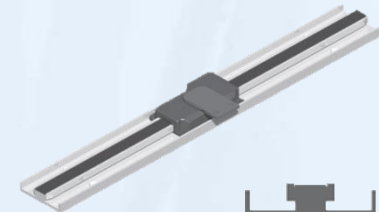
Model 150



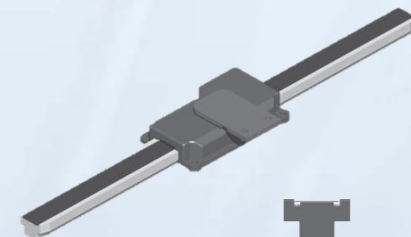
Model 250



Model 190



Model 290



Model 390



Model 590

NOTES:

ProScale Models 150, 150G and 190 share the same scale profile and mechanical dimensions.

ProScale Models 250, 250G and 290 share the same scale profile and mechanical dimensions.

ProScale Specifications

Measuring Range*

Accuracy**

Model 150/150G	2 Standard Sizes Up to 10 inches (250mm) Up to 18 inches (450mm)	± .002 inches (0.05mm) ± .003 inches (0.07mm)
Model 250/250G	7 Standard Sizes Up to 24 inches (500mm) Up to 52 inches (1300mm) Up to 60 inches (1500mm) Up to 96 inches (2400mm) Up to 120 inches (3.0m) Up to 180 inches (4.5m) Up to 240 inches (6.0m)	± .004 inches (0.10mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm)
Model 190	2 Standard Sizes Up to 10 inches (250mm) Up to 18 inches (450mm)	± .003 inches (0.07mm) ± .004 inches (0.10mm)
Model 290	6 Standard Sizes Up to 24 inches (500mm) Up to 60 inches (1500mm) Up to 96 inches (2400mm) Up to 120 inches (3.0m) Up to 180 inches (4.5m) Up to 240 inches (6.0m)	± .005 inches (0.13mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm)
Model 390	4 Standard Sizes Up to 24 inches (600mm) Up to 60 inches (1500mm) Up to 96 inches (2400mm) Up to 120 inches (3.0m)	± .005 inches (0.15mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm) ± .008 inches (0.20mm)
Model 590	5 Standard Sizes Up to 48 inches (1200mm) Up to 96 inches (2400mm) Up to 120 inches (3.0m) Up to 144 inches (3.6m) Up to 192 inches (4.8m)	± .010 inches (0.25mm) ± .010 inches (0.25mm) ± .010 inches (0.25mm) ± .010 inches (0.25mm) ± .010 inches (0.25mm)

Encoder Speed: Model 150/250/150G/250G ≤ 10 inches/sec. (380mm/sec)
Model 190/290/390/590 ≤ 120 inches/sec (3m/sec)

Encoder Cable: Standard: 10 foot (3m) six-conductor cable terminated by an over molded RJ12 connector.
Custom: 4 inches to 30 feet (100mm-9.1m).

Mechanical Dimensions: Available at www.proscale.com.

	10 IN 250m	18 IN 450m	24 IN 600mm	48 IN 1200m	52 IN 1300mm	60 IN 1600m	96 IN 2400m	10 FT 3.0m	12 FT 3.6m	15 FT 4.5m	16 FT 4.8m	20 FT 6.0m
Model 150	✓	✓										
Model 250			✓		✓	✓	✓	✓		✓		✓
Model 190	✓	✓										
Model 290			✓			✓	✓	✓		✓		✓
Model 390			✓			✓	✓	✓				
Model 590				✓			✓		✓		✓	






* Model 150, 150G & 190, Scale physical lengths are 4.25 inches (108mm) longer than their stated Measuring Range.
Model 250, 250G, 290 & 390 Scale physical lengths are 4 inches (100mm) longer than their stated Measuring Range.
Model 590 Scale lengths are 8 inches (150mm) longer than their stated Measuring Range.





All models are available with custom length Scales and Encoder cables.

** Accuracy of Scale + Encoder measured at the Encoder output.

All ProScales are RoHs compliant.

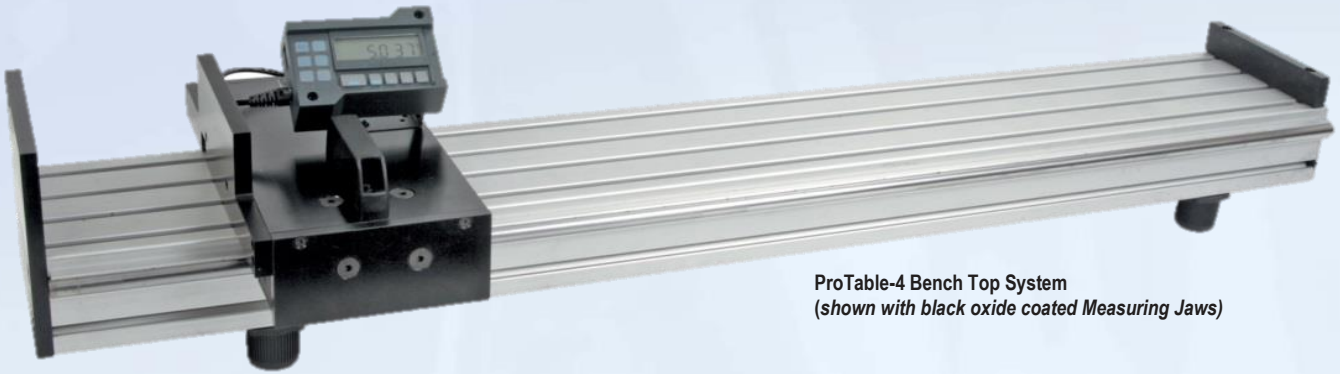
ProScale Digital Readouts

	<p>Basic LCD</p> <p>A fully enclosed case for easy surface mounting in a variety of locations. The Basic Readout is the ideal choice for most machinery and simple measuring applications. This readout has simple operation, and limited programmability.</p> <p>Part Number: 700-1600-230</p>	<p>Dimensions 4.5 x 3.5 x 1.5 in. 115 x 90 x 40 mm</p> <p>Output(s) None</p> <p>Power 1 CR123 3v Li Battery (or equivalent)</p>	<p>Range in: ± 999.999 mm: ± 9999.99 cm: ± 999.999 fractions $\pm 399\ 63/64$</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01 cm: .1 or .01 or .001 fractions: 1/16 or 1/32 or 1/64</p>	<p>Works with ProScale Model 150 Model 250 Model 180/190 Model 280/290 Model 380/390 Model 580/590</p>
	<p>General Purpose LCD</p> <p>This Readout has a full feature set of programmable options and functions. Single button for Absolute/Incremental measurements and Offsets. It can operate on battery or 12-24VDC, has SPC and programmable output signals and is ready for a ProRF wireless transmitter.</p> <p>Part Number: 700-1600-235</p>	<p>Dimensions 4.5 x 3.5 x 1.5 in. 115 x 90 x 40 mm</p> <p>Output(s) Digimatic® and programmable open collector signal</p> <p>Power 1 CR123 3v Li Battery or 12-24 VDC</p>	<p>Range in: ± 999.999 mm: ± 9999.99 cm: ± 999.999 fractions $\pm 399\ 63/64$</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01 cm: .1 or .01 or .001 fractions: 1/16 or 1/32 or 1/64</p>	<p>Works with ProScale Model 150/150G Model 250/250G Model 180/190 Model 280/290 Model 380/390 Model 580/590 ProTable MINI ProStop</p>
	<p>General Purpose E LCD</p> <p>This 'Enhanced' Readout has the same full feature set of options and functions as the General Purpose, plus a 126 point Non-Linear Error Compensation table and automatic Temperature Compensation for the best accuracy under various operating environments.</p> <p>Part Number: 700-1600-236</p>	<p>Dimensions 4.5 x 3.5 x 1.5 in. 115 x 90 x 40 mm</p> <p>Output(s) Digimatic® and programmable open collector signal</p> <p>Power 1 CR123 3v Li Battery or 12-24 VDC.</p>	<p>Range in: ± 999.999 mm: ± 9999.99 cm: ± 999.999 fractions $\pm 399\ 63/64$</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01 cm: .1 or .01 or .001 fractions: 1/16 or 1/32 or 1/64</p>	<p>Works with ProTable ProTable XY ProTable CAB ProPanel HD E ProKit 580/590</p>
	<p>950 Series LCD</p> <p>This readout has all the features of the General Purpose E except DC power and programmable output signal. This is a direct replacement for Mitutoyo ProScale 950 Series Systems. Requires 10 pin Encoder connection.</p> <p>Part Number: 700-1600-M50</p>	<p>Dimensions 4.5 x 3.5 x 1.5 in. 115 x 90 x 40 mm</p> <p>Output(s) Digimatic®</p> <p>Power 1 CR123 3v Li Battery.</p>	<p>Range in: ± 999.999 mm: ± 9999.99 cm: ± 999.999 fractions $\pm 399\ 63/64$</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01 cm: .1 or .01 or .001 fractions: 1/16 or 1/32 or 1/64</p>	<p>Works with ProScale Model 150/150G Model 250/250G Mitutoyo 950-404 950-405 950-406 950-407</p>
	<p>1/4 DIN In-Panel LCD</p> <p>This Readout is a popular choice for OEM products. It's ideal for panel or control box mounted applications. The Encoder, battery & DC power connections are located on the back side for easy access. It has the same feature set as the Basic Readout, plus DC operation and output signal.</p> <p>Part Number: 700-1600-435</p>	<p>Dimensions 4.0 x 4.0 inches 100 x 100 mm</p> <p>Output(s) Digimatic® and programmable open collector signal</p> <p>Power 1 CR123 3v Li Battery or 12-24 VDC.</p>	<p>Range in: ± 999.999 mm: ± 9999.99 cm: ± 999.999 fractions $\pm 399\ 63/64$</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01 cm: .1 or .01 or .001 fractions: 1/16 or 1/32 or 1/64</p>	<p>Works with ProScale Model 150/150G Model 250/250G Model 180/190 Model 280/290 Model 380/390 Model 580/590</p>

	<p>Compact LCD</p> <p>The Compact Readout is our most affordable and the simplest to operate and program. This Readout is also versatile enough to mount in a panel or on a flat surface. The Encoder input is located on the back side of the case for a clean, clutter free appearance.</p> <p>Part Number: 700-1600-700</p>	<p>Dimensions 3.0 x 3.0 x 1.25 in. 75 x 75 x 32 mm</p> <p>Output(s) None</p> <p>Power 1 CR123 3v Li Battery (or equivalent)</p>	<p>Range in: ± 999.999 mm: ± 9999.99 cm: ± 999.999 fractions $\pm 399\ 63/64$</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01 cm: .1 or .01 or .001 fractions: 1/16 or 1/32 or 1/64</p>	<p>Works with ProScale Model 180/190 Model 280/290 Model 380/390 Model 580/590</p>
	<p>1/8 DIN In-Panel LED</p> <p>This in-panel mounted, easy to see Red LED Readout is an ideal choice for OEM applications. This Readout has 3 independent measurement reference modes. Rear Encoder & DC power inputs and RS485 output provide easy access.</p> <p>Part Number: 700-1600-090</p>	<p>Dimensions 4.0 x 2.0 x 3.0 in. 100 x 50 x 75 mm</p> <p>Output(s) RS485</p> <p>Power 14-24 VDC</p>	<p>Range in: ± 999.999 mm: ± 9999.99</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01</p>	<p>Works with ProScale Model 150G Model 250G Model 180/190 Model 280/290 Model 380/390 Model 580/590</p>
	<p>Dual Input In-Panel LCD</p> <p>This 2 Input backlit LCD Readout is designed for a panel or control box mounting. It has 2 independent rear facing Encoder inputs, plus two Data outputs, RS232 and power connections. Add, subtract and calculate independent input signals.</p> <p>Part Number: 700-1600-500</p>	<p>Dimensions 5.5 x 2.75 x 3.4 in. 140 x 70 x 85 mm</p> <p>Output(s) RS232 & 2 SPC Data (Digimatic)</p> <p>Power 12-24 VDC</p>	<p>Range in: ± 394.000 mm: ± 9999.99 cm: ± 999.999 fractions: $\pm 99\ 63/64$</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01 cm: .1 or .01 or .001 fractions: 1/16 or 1/32 or 1/64</p>	<p>Works with ProScale Model 150G Model 250G Model 180/190 Model 280/290 Model 380/390 Model 580/590</p>
	<p>Software Readout</p> <p>VDRO is a Windows® application designed to replace hardware Readouts and provide a cost effective solution for applications where one or two measurements are required.</p> <p>Part Number: 700-1600-VDR</p>	<p>Data files are imported and exported using .csv format. Part information may be displayed during measurement via .pdf file format.</p> <p>Windows XP, Win 7</p>	<p>Range in: ± 999.999 mm: ± 9999.99</p> <p>Resolution in: .1 or .01 or .001 mm: .1 or .01</p>	<p>Works With ProScale Model 150G Model 250G Model 180/190 Model 280/290 Model 380/390 Model 580/590 ProTables</p>

Readout Feature Comparison	Battery Operation	DC Operation	Auto On/Off	Program: DATUM	Offset Addition	Upper/Lower Limit	Go/NoGo	Position Monitor	Drift Alert	Output Signal	Linear Comp.	Non-Linear Comp.	Temperature Comp.	Sum/Difference	Statistics	Wireless Ready	Fractions	Output
Basic	•		•	•		•					•						•	
General Purpose	•	•	•	•	•	•	•	•	•	•	•				•	•	•	Digimatic
General Purpose E	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	Digimatic
950	•		•	•	•	•	•	•	•	•	•	•			•	•	•	Digimatic
In Panel LCD	•	•	•	•		•				•	•						•	Digimatic
Compact	•		•	•													•	
In-Panel LED		•				•				•								RS485
In-Panel Dual input		•				•		•	•	•	•			•			•	RS232
VDRO				•		•									•	•		.csv

ProTable™



ProTable-4 Bench Top System
(shown with black oxide coated Measuring Jaws)

ProTable is a portable, battery operated linear dimension measuring system designed for QC/QA functions on the manufacturing floor or QC lab.

ProTable Systems are available in several standard measuring ranges from 4 to 20 feet, and any custom size up to 24 feet. The width of the measuring table surface is 6 inches. The standard ground steel measuring jaws are 3 x 6 inches.

ProTable accuracy across the entire measuring range is:
Better than $\pm .003\text{in}$ ($\pm .08\text{mm}$) Up to 16 feet.
Better than $\pm .005\text{in}$ ($\pm .13\text{mm}$) Over 16 feet.

ProTable starts with high quality aluminum extrusion. Then we integrate a ProScale Series II Inductive measuring system, steel measuring jaws and dual opposed steel roller bearings for smooth, trouble free operation, even in harsh manufacturing environments.

Quality materials and workmanship virtually eliminate Abbé and cosine errors commonly found in dimensional measuring systems.

Users can make measurements quickly, easily and accurately with no misread tape, interpolation or other ambiguities. And, measurement data can be transmitted wirelessly (with the Pro-RF option) eliminating transcription errors.



ProTable- 4 shown with Optional Leg Set

The battery operated LCD Readout displays measurements in user selectable resolutions of Inches (.001), Centimeters (.001) or Millimeters (.01).

Readout functions include:

- Non-Linear Compensation
- Temperature Compensation
- Upper/Lower Limits display
- Go/ NoGo limit programming
- Accumulated Measurement Count
- MIN, MAX and AVG calculations
- Data Output (Digimatic™)



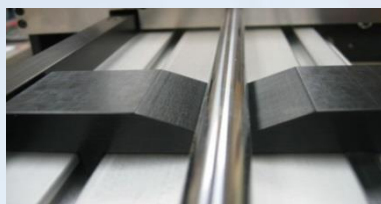
Optional ProRF Wireless Data Transmitter

System Options:

ProTable is supplied as a Bench top model with short adjustable feet for easy leveling.

Available Options include:

- Hardened Steel Measuring Surfaces (jaws hardened to RC57)
- Back Fence (for consistent part alignment)
- Movable Saddle "V" Blocks (for measuring rounds)
- Corner to Corner Measuring Fixtures
- Leg Set(s)
- 4" Heavy Duty Locking Rubber Casters
- Replaceable Surface Wear Sheets
- Wireless Data Transmitter
- Extended Warranty
- On-Site set-up and Annual Calibration Service



Movable saddle "V" Blocks



Corner-Corner Measuring Fixtures with Surface Wear Sheets

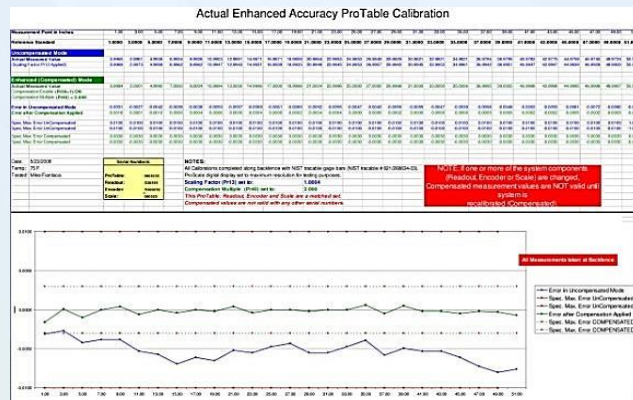
Specifications:

Measurement Range:

ProTable-4	up to 50 inches (1200mm)
ProTable-6	up to 75 inches (1900mm)
ProTable-8	up to 100 inches (2500mm)
ProTable-10	up to 120 inches (3.0m)
ProTable-12	up to 145 inches (3.6m)
ProTable-16	up to 195 inches (4.9m)
ProTable-20	up to 240 inches (6.0m)

Accuracy: (over entire measuring range)

ProTable-4, 6, 8, 10 & 12	Better than $\pm .003\text{in}$ ($\pm .08\text{mm}$)
ProTable-16 & 20	Better than $\pm .005\text{in}$ ($\pm .13\text{mm}$)



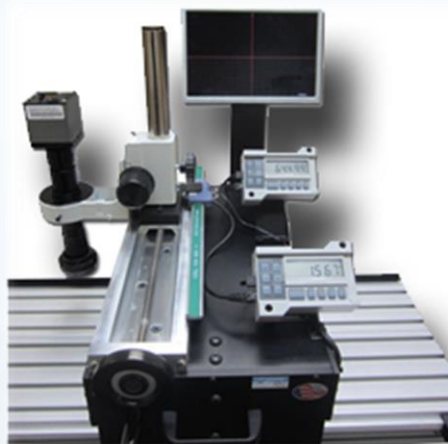
Custom Systems:

We routinely work with our customers to design unique measuring solutions including new ProTable designs or custom fixturing to suit particular measurement needs.

Customers approve conceptual designs in 3D with eDrawings® before we begin construction.



20 Foot Dual Beam ProTable



2 Axis Non-Contact Video



Custom Measuring Fixture



Custom V Block Fixtures

All ProTables are Designed and Manufactured in the USA.

eDrawings is a Registered Trademark of Dassault Systèmes SolidWorks Corporation.

ProTable-XY



ProTable-XY is a one or two-axis measuring system designed for panel or sheet type products up to 2 inches (50mm) thick and up to 120 lbs (55kg) evenly distributed weight. The table surface is .375 inch (9.5mm) hard anodized cast aluminum plate (stainless steel optional) and each measuring axis is guided by a steel linear bearing system. A back fence runs the entire length of each measuring axis and is constructed of .250 inch (6mm) stainless steel. The moving measuring pins are made of hardened steel (stainless steel optional).

Specifications:

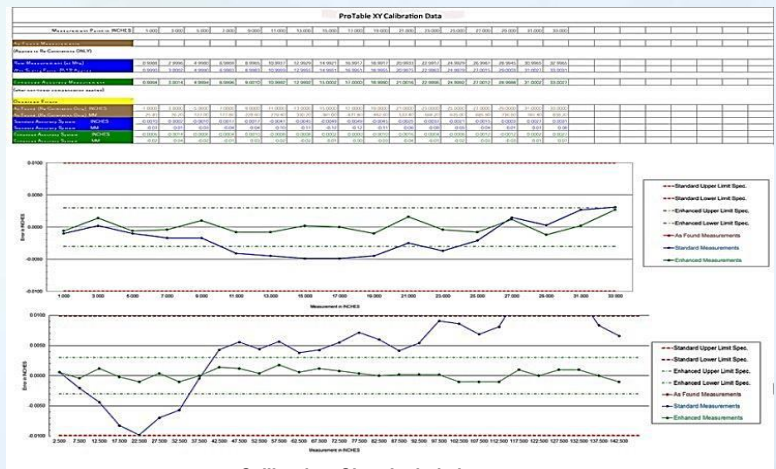
Measurement Range:

ProTable-3x5 36 x 60 inches (900x 1500mm)

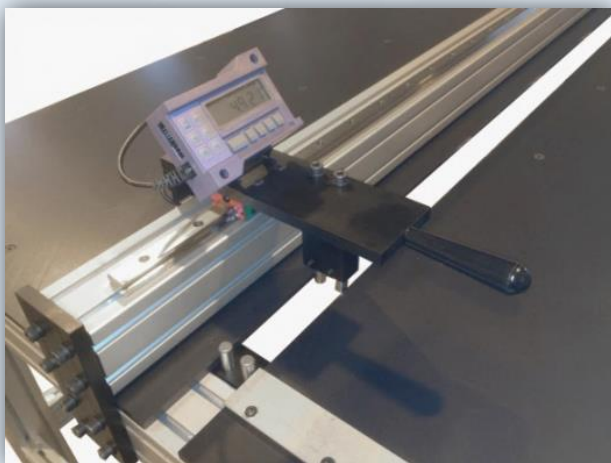
ProTable-4x5 48 x 60 inches (1.2 x 1.5m)

Accuracy:

Better Than $\pm .005$ in ($\pm .13$ mm) (over entire measuring axis)



Calibration Chart Included



Custom Design ProTable XY

Single Axis for Length, Width and Corner-Corner Measurements. Zero clearance allows for measurement of very thin parts.



Steel Measuring Pins

Choice of Readout for ProTable-XY:



Battery operated LCD Readouts display measurements in Inches (.001), Centimeters (.001) or Millimeters (.01)

Digital Readout functions include:

- Non-Linear Error Compensation
- Temperature Compensation
- Upper/Lower limits display
- Go/ NoGo limit programming
- Measurement Count
- MIN, MAX and AVG
- Data Output (Digimatic™)

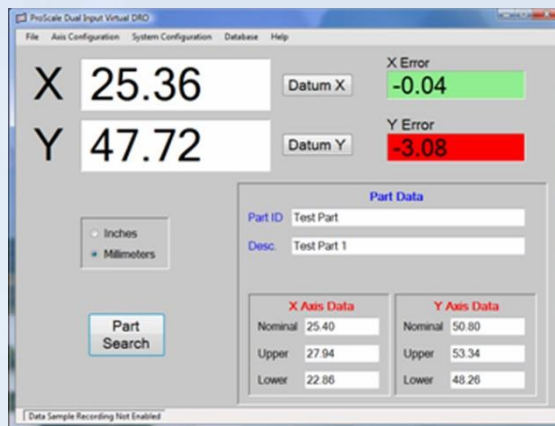


System Options:

- Wireless Data Transmitter (shown at right)
- Extended Warranty
- On-Site set-up and Annual Calibration

Custom Systems:

We routinely work with our customers to design unique measuring solutions including new ProTable designs or custom fixturing to suit particular measurement needs. Customers approve their conceptual design in 3D with eDrawings® before we begin construction.

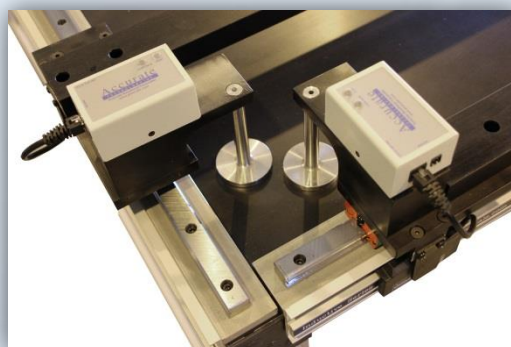


Users may choose to equip ProTable XY with a Software Readout. VDRO™ is a Windows® application for measuring one or two axes of measurements. Measurement data can be compared to nominal part data stored in a database. The data output file is a .CSV format (can be easily imported by Excel™)

- One or two axes of operation.
- Database for part geometry & parameters.
- Measurements are saved to .CSV file.
- Part image can be displayed when measured.
- Histogram charting of recorded measurements.

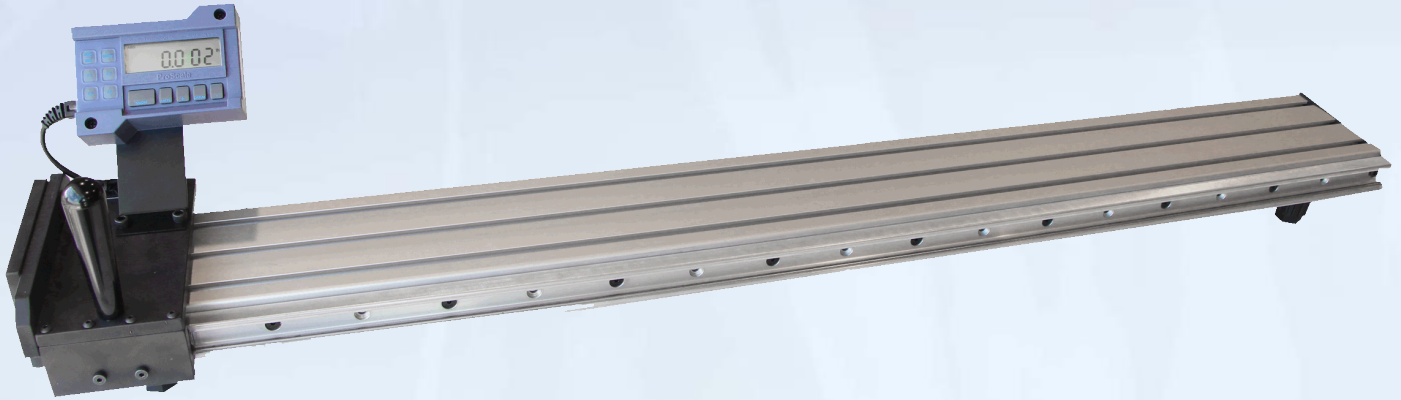


Custom Design 145 x 35 inch measuring range



Custom Measuring Fixtures with RF Transmitters

ProTable-MINI™



ProTable MINI is the newest model in the ProTable Family of products. The MINI is a turnkey entry level dimensional measuring system.

This table top system was designed to provide "better than tape measure" accuracy and repeatability to measure items up to 40 inches (1m) in length. The measuring surface is 4.5 inch wide aluminum, and the hard anodized aluminum measuring jaw is 4.5 inches wide x 1.5 inches tall. The moving jaw and Digital Readout assembly is guided by a steel roller bearing system for smooth operation and repeatable measurements. These ProTables are built to minimize orthogonal, Abbé, and cosine measurement errors. And, with Digital Measuring, repeatability of measurements is greatly increased over the use of traditional steel rules and tape measures. A Data output port is standard, and with the optional ProRF SPC Wireless Data system measurement transcription errors are a thing of the past.

Features:

- Low Cost: Entry level system provides digital accuracy, repeatability and data output at a minimum cost.
- Battery Operation: One CR123 Lithium battery powers a ProTable MINI for up to 18 months.
- Data Output: Measurement data can be sent wirelessly to a PC with a (optional) ProRF Data Transmitter.
- Measurement Jaws: Hard anodized aluminum measuring jaws
- Easy Operation: Readout keys for Zero, Plus & Minus Offsets, Data Send, and Measurement Units.
- Choice of Measurement Units: Display fractions, decimal inches, millimeters or centimeters



ProRF Wireless Data Transmitter

Readout:

Battery operated LCD Readout displays measurements in Inches (.001), Centimeters (.001), Millimeters (.01) or Fractions (1/64)

Digital Readout functions include:

- Linear Error Compensation
- Upper/Lower limits display
- Go/ NoGo limit programming
- Measurement Count
- MIN, MAX and AVG
- Data Output

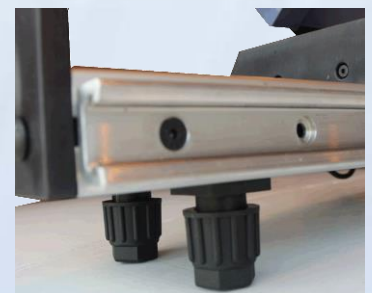


Specifications:

- Measurement Range: 40 inches (1m)
- Accuracy: Better than $\pm .010$ in ($\pm .25$ mm)

Options:

- Wireless Data Transmitter
- On-Site Annual Calibration



Adjustable Leveling Feet

ProKit-590

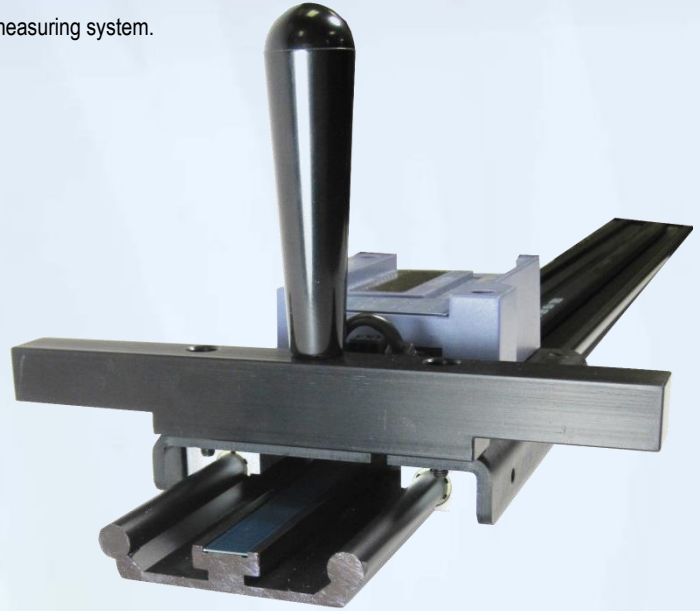
ProKit 590 is an ideal foundation for a 'build-it-yourself' dimensional measuring system.

This product starts with a ProScale Model 590 measuring system. We add an 8 inch x 1.5 inch (200mm x 37mm) hard anodized jaw and a quick grip handle to easily move the entire assembly. This assembly becomes your moving measuring jaw, or stop.

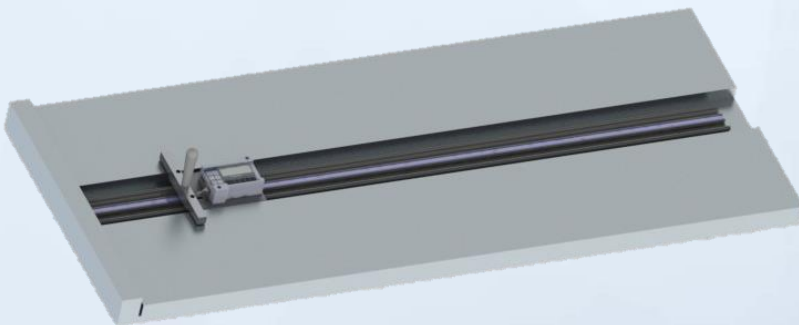
To complete your custom designed dimensional measuring system, recess the ProKit 590 into a table top, add a fixed stop at one end, calibrate, and start measuring.

ProKit 590 systems are supplied with a General Purpose Enhanced Digital Readout incorporating both non-linear scaling and temperature compensation for the utmost accuracy* in your completed system.

The sliding carriage has three holes predrilled for mounting other fixtures, jigs or accessories as required for a user's application.



Optional Wireless Data Transmitter

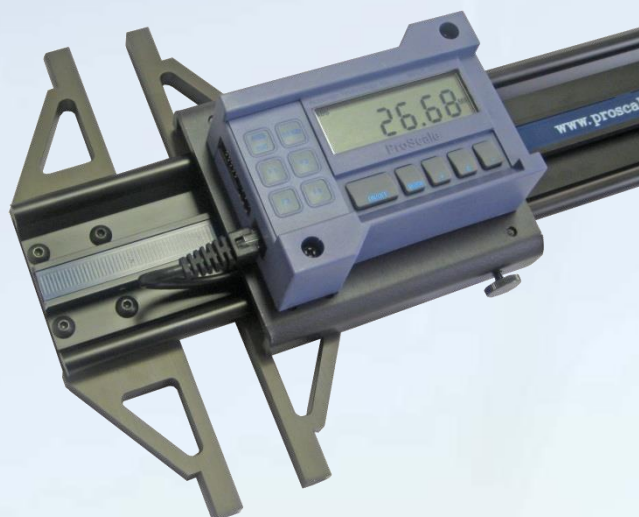


Construct a measuring surface of an appropriate length with a 'fixed' stop at one end and recess the ProKit 590 below the surface. The surface material, stop and jaw design should be designed to meet your measuring requirements. Once complete, calibrate the 'system' using your length standards and the Linear and non-linear compensation features in the Digital Readout to achieve the best overall System accuracy.

* Overall measurement 'system' accuracy will ultimately be influenced by the quality of the construction. When sound mechanical design and assembly have been incorporated into your design, and the system is calibrated using the non-linear compensation feature in the Readout, accuracies of ± 0.005 inches (.13mm) over the entire measuring range are easily attainable.

ProPanel-HD E

ProPanel™ is a portable, battery operated, caliper style tool used to make inside, outside, length, width, diagonal, hole-to-hole, and edge-to-hole measurements up to 100 inches (2500mm). ProPanel HD can be ordered with a Wireless Data Transmitter for on-the-spot or remote data collection.



ProPanel-HD E

The ProPanel-HD E is based on the ProScale Model 590 and is robust enough to span up to 100 inches of measuring range. This ProPanel has a unique sliding carriage/jaw assembly that rides on 4 friction bearings to minimize encoder pitch and yaw.

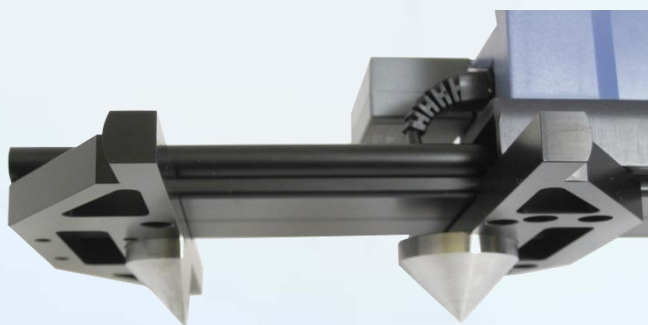
These are rugged linear measuring tools designed to make "on the manufacturing floor" dimensional measurements by one or two operators.*

ProPanel-HD E is available in three standard sizes:

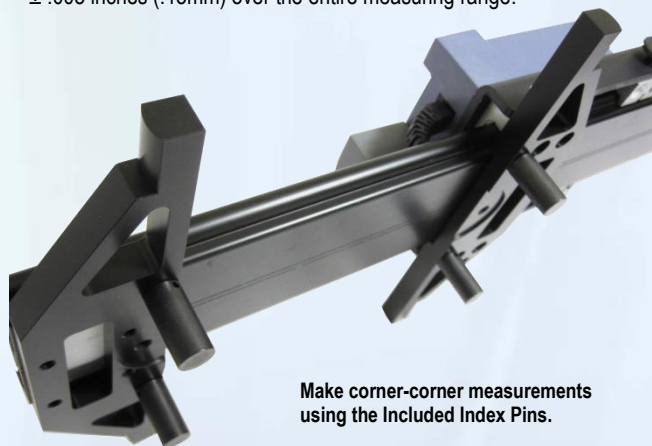
- Up to 40 inches (1000mm)
- Up to 60 inches (1500mm)
- Up to 100 inches (2500mm) or any custom size up to 100 inches.

Accuracy:

± .005 inches (.13mm) over the entire measuring range.



Make hole-hole and hole-edge measurements using the Optional Steel Cone Set.



Make corner-corner measurements using the Included Index Pins.

* ProPanel Systems are not designed for fixed mounted applications

QC Products Feature Comparison

	ProTable	ProTable XY	ProTable MINI	ProPanel HDE	ProKit 590
Feature					
# of axis	1 or 2 ¹	1 or 2	1	1	1
Measuring Range	up to 20 ft.	up to 4 x 12 ft.	up to 40 in.	up to 100 in.	up to 16 ft.
Measuring Jaw Material	Steel	Hardened Steel	HA Aluminum	HA Aluminum	HA Aluminum
Contact Area	3 x 6 in.	2 Steel pins	4.5 x 1.5 in.	.5 x 8.5 in.	1 x 8 in.
Bearing Type	3 steel roller	2 steel linear	1 steel roller	4 friction	4 friction
Edge-Edge	yes	yes	yes	yes	yes
Edge-Hole	yes ¹	no	no	yes	no
Hole-Hole	yes ¹	no	no	yes	no
Corner-Corner	yes ²	yes ³	no	yes	no
Accuracy	± .003 in.	± .005 in.	± .010 in.	± .005 in.	< ± .010 in. ⁴
Repeatability	.001 in.	.001 in.	.002 in.	.002 in.	.002 in.

¹ With Optical Measurement option ² With Corner-Corner Fixtures option ³ Custom Designs ⁴ User implemented calibration of entire measuring system

ProTable-CAB™

ProTable-CAB is turn-key solution for dimensional quality control measurements of panel products such as cabinet doors and other similarly shaped products.

ProTable-CAB uses two ProScale measuring systems placed in an X-Y configuration. Non-skilled operators can easily make simultaneous dimensional (height and width) measurements up to 40 x 60 or 48 x 96 inches.

The measuring surface angle is adjustable from 15 to 55 degrees of tilt for maximum comfort and ease of operation (40 x 60 Model only).

ProTable-CAB comes fully assembled. Simply remove the packing, adjust the table angle and begin measuring parts.

ProTable-CAB is available in 2 Measuring Ranges:

Standard: 40 x 60 inch (1000 x 1500mm) Measuring Range

XL: 48 x 96 inch (1200 x 2400mm) Measuring Range

Custom sizes, designs and configurations are also available for unique measurement applications.

And three Display/Software configurations:

ProTable CAB

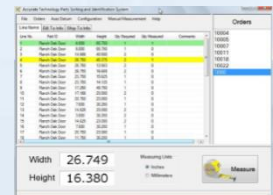
This model uses an LCD Digital Readout on each of the measuring axes. These readouts are easy to configure and have several built in functions applicable to quality measuring applications. Each Readout is powered by a CR123 lithium battery, making this entire measuring system completely portable: no external power is required!

ProTable-CAB V

The V model replaces the LCD Digital Readouts with a touch screen LCD monitor and VDRO™ software. The software includes a simple-to-use interface that displays the actual measured value of each axis with a color coded indication of an In- or Out-of-tolerance condition. Measurement results are compared to nominal part geometry data stored in a database. Individual part measurements can then be recorded in a .CSV file.

ProTable-CAB S

The S model is a fully configured system that includes an industrial computer, wireless data transmitters, an LCD touch screen monitor and ProCAB QC™ Quality Control software. All software is pre-installed and configured for your system. ProCAB QC can import order or production data, and document the dimensional quality of measured parts. ProCAB-QC software will automatically identify a randomly measured part, associate the measurement data with a corresponding line item on an order and record the measurement results.



Additional Woodworking Industry Products

ProSet™ is a specially designed ProScale Model 150 for use on the dimensioning heads of moulders. Simply set the ProSet readout to "Radius" mode and adjust the spindle position until the measured radius of the cutterhead is displayed. Push the Readout button for "Width" mode and it displays the outfeed dimension based on the current position of the spindle.

Planer/Sander Kit

Everything you need to add digital measuring capability to your commercial Planer, Sander, Moulder, or Shaper. This Kit includes a ProScale Model 150-10 to measure up to 10 inches of travel or tooling position.

A universal mounting kit is supplied that contains several commonly used brackets for applications of this kind, making installation a snap.



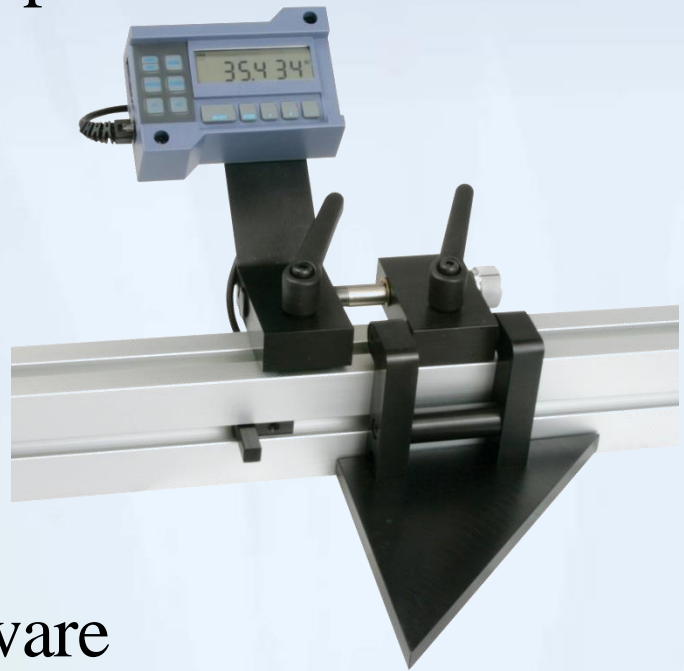
ProSet and Universal Mounting Kit

ProStop™

ProStop is a complete Digital Stop and Fence System for miter saws, chop saws, and similar tools. It includes an aluminum Fence, a Flip Stop with fine adjust and double lock down, plus 2 'Quick Set' indexing stops. The Quick Sets are useful for setting one or two cutting positions that are used often, allowing very fast repeat setups for your most common cut lengths.

No other manual stop and fence system can match ProStop's repeatability (.001 in.). And it will work with right or left infeed set-ups.

Additional Stops, Readouts and Fence extrusion are available. An optional reversible 90°/45° stop plate (pictured at right) is also available.



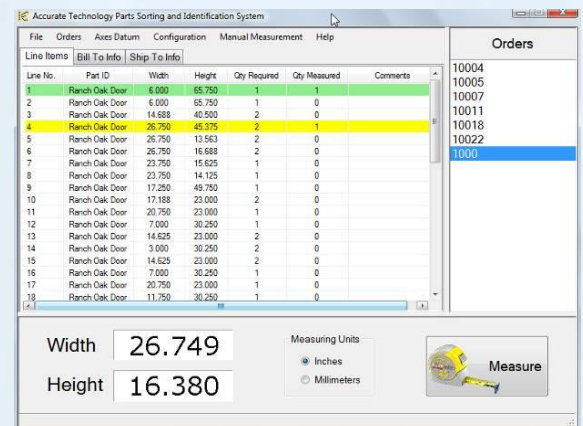
Software

ProCAB-QC™ is a Windows® application designed to measure and document the dimensional quality of fabricated or purchased parts such as cabinet doors. Randomly measured parts are **automatically identified**, associated with a corresponding line item on an order, and the measurement results are recorded.

A .csv file, created by your existing software system, provides the method to import data representing production orders (or shipments) using ProCAB-QC field mapping utility. Upon order completion, ProCAB-QC can generate a custom packing slip showing company information, part specifications, bar-coded data, and measurement results for each part.

ProCAB-QC Key Features

- Parts can be measured in any sequence.
- Measurement tolerance for height and width are independently defined.
- Part data is imported using a .csv file as a single order or multi-order file.
- ProCAB-QC recognizes if one or more line items have the same measurements.
- Line items are marked complete when the prescribed number have been measured.
- Orders are marked complete when all line items have been measured.
- Completed order measurement data is written to history files when an order is complete.
- Incomplete Order Reports can be generated to indicate missing or out of tolerance parts.
- "Rejected" labels can be printed for non-conforming parts.

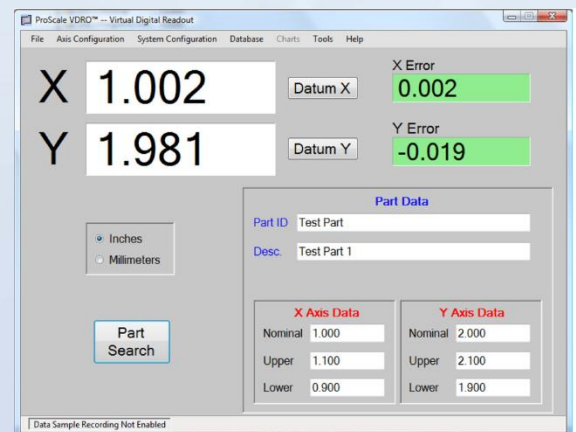


ProCAB-QC Screen Shot

VDRO™ is a Windows® application designed to provide a cost effective solution for measuring applications where one or two axes of part measurements needs be checked and/or recorded. Measurement data can be compared to nominal part data stored in a database. The data output file is a .csv format and can be easily imported by Excel™ or other spreadsheet software or Process Control programs.

VDRO Key Features

- One or two axes of operation
- Parts database for storage of part geometry & parameters
- Part measurements are saved to .csv file.
- The measured part image can be displayed when a part is selected.
- Display a .pdf document associated with the measured part.
- Histogram charting of recorded measurements.



VDRO Screen Shot

Data Devices



ProRF SPC

This battery powered plug-in module is a 2-way transceiver that allows any ProScale Readout with SPC data output capability to send positional or measurement data information wirelessly to a Universal Receiver.



Universal Receiver

The Universal receiver, with RS232 or USB output, is used with the ProRF SPC and/or the ProRF Wireless Encoders to receive and acknowledge data from any combination of 1 to 8 SPC or Encoder transmitters.



ProRF Wireless Encoder

When an Encoder to Readout cable length needs to be greater than 30 feet, or when the Readout needs to be placed in a remote location, the ProRF Wireless Encoder can be used to "replace the cable". This 2 piece, 2 way system allows data from the Encoder to be transmitted and received wirelessly by the Readout or the Universal Receiver for PC or PLC connections.



Analog Interface

The Analog Interface Unit (AIU) generates a DC output proportional to the measurement or position displayed on a Readout. This output can be used as an analog input to a PLC (or other device using an analog input signal). The AIU provides a 0-5 or 0-10 VDC output, and requires a ProScale Readout with SPC output capability.



ProMux-3 3

ProMux-3 is an easy to use interface providing communication and control of one, two, or three ProScale Encoders from a PC or PLC via an RS232 serial interface. No Readout is needed as the ProMux-3 provides power and control signals directly to the Encoder. (Works with Models 150G/250G only).

Data Device Comparison						
	ProRF SPC Xmitter	Universal Receiver	ProRF Encoder Xmitter	ProRF Encoder Receiver	Analog Interface	ProMux 3
Data Source	Readout	RF Data	Encoder	RF Data	Readout	Encoder
# of inputs	1	8	1	1	1	3
Output	RF Data	RS232 / USB	RF Data	RF Data	0-5/10 VDC	RS232
Frequency	2.4Ghz		2.4Ghz			96-19.2K
Range	up to 100 ft.		up to 100 ft.			
Power	1 CR2450	12-24VDC/USB	1 EL123	12-24VDC	12-24VDC	12-24VDC
Wired vs. Wireless Comparison						
	ProRF SPC Xmitter & Universal Rcvr	ProRF Encoder Xmitter & Universal Rcvr	ProRF Encoder Xmitter & Encoder Rcvr	ProMux 3	Gageway USB & Wedgelink	SmartCable USB ¹
Wireless						
Readout-RS232/USB	8 to 1					
Encoder-RS232/USB		8 to 1 *				
Encoder-Readout			1 to 1 *			
Wired						
Readout-RS232				3 to 1 *		
Encoder-RS232				3 to 1 *		
Readout-USB					1 to 1 *	1 to 1
¹ installs as a HID keyboard * capable of continous updates						

Commercial Products Summary

	<u>Measuring Range</u>		<u>Accuracy</u>		<u>Power</u>
<u>ProScale</u>	See Page 5		See Page 5		Battery or 12-24VDC
<u>ProTable</u>	4 feet	(1.2m)	± .003 in	(± .08mm)	Battery
	6 feet	(1.8m)	± .003 in	(± .08mm)	Battery
	8 feet	(2.4m)	± .003 in	(± .08mm)	Battery
	10 feet	(3.0m)	± .003 in	(± .08mm)	Battery
	12 feet	(3.6m)	± .003 in	(± .08mm)	Battery
	16 feet	(4.8m)	± .005 in	(± .13mm)	Battery
	20 feet	(5.8m)	± .005 in	(± .13mm)	Battery
<u>ProTable-XY</u>	36 x 60 inches	(900 x 1500mm)	± .005 in	(± .13 mm)	Battery
	48 x 60 inches	(1.2 x 1.5m)	± .005 in	(± .13 mm)	Battery
<u>ProTable MINI</u>	40 inches	(1m)	± .010 in	(± .25 mm)	Battery
<u>ProTable-CAB</u>	40 x 60 inches	(1.0 x 1.5m)	± .008 in	(± .20 mm)	Battery or 120-240VAC
	48 x 96 Inches	(1.2 x 2.4 m)	± .008 in	(± .20 mm)	Battery or 120-240VAC
<u>ProPanel HD-E</u>	40 inches	(1.0m)	± .005 in	(± .13 mm)	Battery
	60 inches	(1.5m)	± .005 in	(± .13 mm)	Battery
	100 inches	(2.5m)	± .005 in	(± .13 mm)	Battery
<u>ProKit-590</u>	4 feet	(1.2m)	± .010 in	(± .25 mm)	Battery or 12-24VDC
	8 feet	(2.4m)	± .010 in	(± .25 mm)	Battery or 12-24VDC
	12 feet	(3.6m)	± .010 in	(± .25 mm)	Battery or 12-24VDC
	16 feet	(4.8m)	± .010 in	(± .25 mm)	Battery or 12-24VDC
<u>ProStop</u>	4 feet	(1.2m)	± .010 in	(± .25 mm)	Battery
	8 feet	(2.4m)	± .010 in	(± .25 mm)	Battery
	12 feet	(3.6m)	± .010 in	(± .25 mm)	Battery
	16 feet	(4.8m)	± .010 in	(± .25 mm)	Battery
<u>ProSet, Planer/Sander</u>	See ProScale Model 150				

Warranty One year against defects in material or workmanship. Limited Lifetime Warranty beyond one year of ownership.

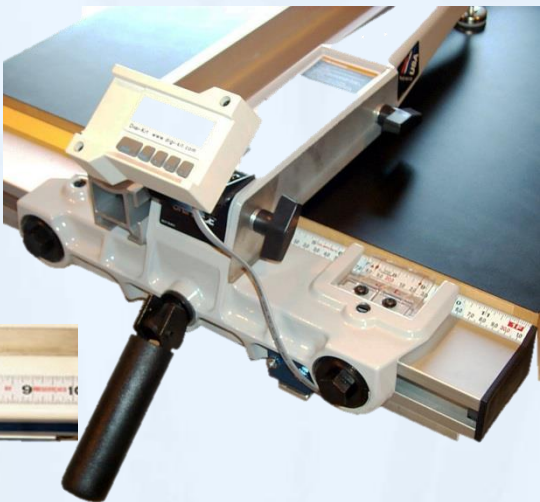
All Accurate Technology products are made in the USA

ProScale Measuring Systems Model Comparison						
	Model 150(G)	Model 190	Model 250(G)	Model 290	Model 390	Model 590
Technology →	Absolute	Incremental	Absolute	Incremental	Incremental	Incremental
Encoder Speed →	≤ 10 ips	≤ 120 ips	≤ 10 ips	≤ 120 ips	≤ 120 ips	≤ 100 ips
Measuring Range ↓						
Up to 10 in. (250mm)	150-10	190-10				
Up to 18 in. (450mm)	150-18	190-18				
Up to 24 in. (600mm)			250-2	290-2	390-2	
Up to 48 in. (1200mm)						590-4
Up to 52 in. (1300mm)			250-4			
Up to 60 in. (1600mm)			250-5	290-5	390-5	
Up to 96 in. (2400mm)			250-8	290-8	390-8	590-8
Up to 10 ft. (3.0m)			250-10	290-10	390-10	590-10
Up to 12 ft. (3.6m)						590-12
Up to 15 ft. (4.5m)			250-15	290-15		
Up to 16 ft. (4.8m)						590-16
Up to 20 ft. (6.0m)			250-20	290-20		

Consumer Products

DIGI FENCE®

Digi Fence is the ORIGINAL Digital Retrofit Kit for Table Saw Fences. This is a product that has been supplied to commercial woodworking and the home hobby market since 1989. Each system contains an Accurate Technology Digi measuring system, all the hardware you will need to install the Digi Fence on your saw fence, installation instructions and an operation manual. A typical installation takes about 35-45 minutes. The standard kit includes measuring capability up to 60 inches (1500mm), and the optional extended scale will provide measuring capability up to 96 inches (2400mm). Digi Fence is available for many of the most popular Cabinet Saw Fence systems such as SawStop, Biesemeyer, Jet, Powermatic, Delta and more.



Easy to read characters are 3/4 inch tall, and all Digi Fence systems can display millimeters, decimal inches or fractions – 1/16, 1/32 or 1/64 at the push of a button. The readout has two measurement modes, or indexes. One is called ABS or Absolute, and the other INC, or Incremental. The ABS mode reads the current position of the fence referenced from a fixed position such as the saw blade. The INC mode is used to make relative measurements from one arbitrary point to another, and the absolute position of the fence is never lost when using the incremental measuring mode. Patented Inductive measurement technology is immune to sawdust and other shop debris.

If getting the most accurate cuts possible on your table saw sounds like a good way to step up the overall quality of you projects, the Digi Fence System is something to be considered. Between the extreme accuracy and the ease of operation, The Digi Fence System will step up the performance of your saw in a big way......www.newwoodworker.com

If you are a woodworker who likes to run equipment "by the numbers" an accurate scale is very important; the Digi Fence gives you that scale on an "analog" rip fence.....www.benchmark.20m.com

At one inch, I used both a Starrett and a Stanley tape measure as well as a Starrett steel ruler to verify the accuracy to the top tooth of the saw blade. The Digi Fence was dead on.....[Graham McCulloch Tool Test©](#)

Digital Saw Fence Comparison											
	Range	Accuracy	Resolution	Fractions	Digit Size	Offsets	Auto On/Off	Battery life	Warranty	Support	Made/Since
DIGI FENCE	60 in.	0.010	.001in, .01mm	1/64	3/4 in	Yes	Yes	1 year	1 year	800#, email	USA / 1989
Brand X	60 in.	0.025	.005in, .01mm	1/128	1/4 in	No	No	6 mo	?	email	China / 2006
Brand Y	50 in.	0.001	.0005in, .01mm	none	3/8 in	Yes	No	6 mo	?	Toll Call	China / 2004

Digi Stop™

Digi Stop is a complete Stop and Fence system for cut-off saws, chop saws, miter saws and other operations needing a cut-to-length measuring system. Each Digi Stop system is supplied with a Stop, a Back Fence and an integrated Digital Measuring system with an easy to read display. Digi-Stop provides measurement repeatability to .001 inch!



Digi Stop works with left or right in-feed operations. The readout displays millimeters, decimal inches or fractions – 1/16, 1/32 or 1/64 at the push of a button. The Digi Stop has two measurement modes. One called ABS or Absolute, and the other INC, or Incremental. The ABS mode reads the current position of the stop referenced from a fixed point such as a saw blade. The INC mode can then be used to make relative measurements from one arbitrary point to another, while the absolute position of the stop relative to the blade is never lost. Patented Inductive measurement technology is immune to sawdust and other shop debris.



Digi Router™

Accurate Technology developed the first plunge router digital measuring system in 1996. The newest version – Digi Router - adds digital precision to nearly any router lift system. Now you can easily duplicate profiles, and make bit height adjustments as fine as .001 inch. The Digi Router is easy adaptable to virtually any router lift system with a minimal amount of effort.



The battery operated readout displays millimeters, decimal inches or fractions – 1/16, 1/32 or 1/64 at the push of a button. Two measurement modes are available. One called ABS or Absolute, and the other INC, or Incremental. The ABS mode reads the current position of the router bit referenced from a fixed point such as a table top. The INC mode can then be used to make incremental measurements- up or down - from that point while the absolute position of the bit relative to the table is never lost. Patented Inductive measurement technology is immune to sawdust and other shop debris.



Installation shown without router for clarification

Digi Scale™

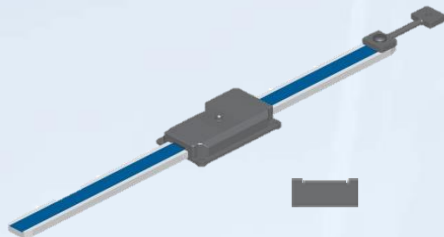
Digi Scale is a general purpose digital measuring system designed for less demanding consumer and hobbyist applications. It can be used almost anywhere to replace a tape measure or scale and pointer while providing digital accuracy and repeatable positioning to one thousandth of an inch.

Digi Scale is available in two measuring ranges and with a choice of two Digital Readouts.

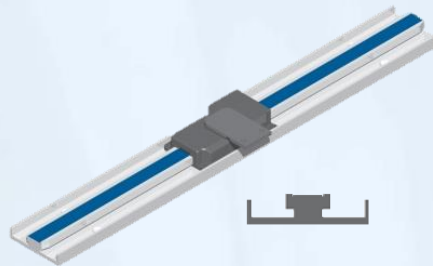
Digi Scale Model 19-6 measures up to 6 inches and is available with a full size or compact LCD Readout.

Digi Scale Model 29-5 measures up to 60 inches and is available with a full size or compact LCD Readout.

The Readouts are battery operated and display decimal inches, fractions (1/16, 1/32 or 1/64) or millimeters with a resolution .001 inch or .01mm



Digi-Scale Model 19-6



Digi-Scale Model 29-5

Digi Scales are manufactured in the USA using the same high quality components as our ProScale products. They have the same one year, plus limited lifetime warranty as our other General Purpose Measuring System products, but are slightly less accurate and have a smaller feature set than comparable ProScale systems. These systems are simple to install, easy to maintain (change the battery), and robust enough to provide digital precision at an affordable price. For machinery applications please see ProScale Systems.



Compact LCD Readout



Full Size LCD Readout

All Accurate Technology Consumer products are available for purchase directly from Accurate Technology at www.proscale.com.

Consumer Product Specifications

	<u>Measuring Range</u>	<u>Accuracy</u>	<u>Resolution</u>	<u>Power</u>
<u>DigiScale</u>				
Model 19-6	6 inches	± .010 in	.001 in	Battery
Model 29-5	60 inches	± .010 in	.001 in	Battery
<u>DigiFence</u>	60 or 96 inches	± .010 in	.001 in	Battery
<u>DigiStop</u>	4 or 8 feet	± .015 in	.001 in	Battery
<u>DigiRouter</u>	6 inches	± .010 in	.001 in	Battery
<u>Warranty</u>	One year against defects in material or workmanship. Limited Lifetime Warranty beyond one year of ownership.			

Accurate

TECHNOLOGY INC.

Linear Digital Measuring Systems

Celebrating 25 Years 1989-2014

The Company:

Accurate Technology started in Kirkland Washington in 1989. The company's first product was a general purpose measuring system called ProScale Model 100, In 1996 ATI introduced ProScale Model 150, an absolute system with additional digital readouts and capabilities.

In 1998 ATI moved its operations to Asheville North Carolina where it now designs and manufactures all of its products.

In 2007 ATI introduced ProScale Model 180, an inductive measuring system with higher sensor movement (speed) and greater environmental robustness.

In 2013 ATI introduced ProScale Model 190, an inductive measuring system with even higher sensor speed, greater robustness and resistance to ESD.

During our 25 year history we have developed many custom and application specific measuring products for the woodworking and Quality Control markets. Today, many of those custom products, along with 6 different ProScale models are sold worldwide.

Ed Fiantaca, owner and president, remains active in the overall management of Accurate Technology, while Mike Fiantaca and Mark Ehrnsberger, co-owners with Ed, handle the day-day management and operations of the company.

The Products:

ProScales are affordable measuring systems designed to make linear measurements with speed, accuracy and repeatability. Our primary markets are applications requiring measurement accuracy better than a traditional tape measure but not as precise, or high accuracy (ie. glass), as higher priced measuring systems. Our *"fractions to 10 microns"* measuring range provides users with repeatable measurements, positioning capabilities and data output.

General Purpose Measurement: Several different models of ProScale systems capable of measuring up to 20 ft. (6m) are available. These systems are available with ABSolute or Incremental technology and in a variety of standard or custom lengths. LCD and LED Digital Readouts with various data and signal outputs and power options are available. Custom systems are available for OEM applications.

Quality Control Products: This product group includes turn-key measuring systems like ProTable™ designed for Dimensional Quality Control measurements. These products, based on ProScale technology, are available as hand-held portable devices as well as free standing and bench top systems to measure one or two axis up to 20 ft. (6m). **Accurate Technology routinely designs and manufactures custom, application specific, quality control measuring systems for our customers using 3D modeling collaboration.**

Data Acquisition & Accessories: Accurate Technology manufactures many of its own data acquisition devices to work with ProScale products. These products include wired and wireless solutions to acquire and/or convert measurement data or position information.

Woodworking Products: Measuring solutions designed especially for the furniture, cabinet, door and window, and millwork industries. ProStop™ digital fence systems, ProKits™ machinery retrofits, plus more products to improve any size woodworking shop.

Consumer Products: These are products designed for the hobbyist and small shop woodworkers.

Custom Designs: Accurate Technology will modify a current product or create a custom product to fulfill the needs of most linear measuring applications. We **"put your ideas on paper"** and collaborate with you using 3D drawings to insure what you had in mind is what we build for you.

"Not only the wealth, but the independence and security of a country, appear to be materially connected with the prosperity of manufactures."
Excerpt from the Alexander Hamilton's "Report on Manufactures," 1791



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Solving Measurement Problems

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Linear Digital Measuring Systems

