

**Accurate**  
**TECHNOLOGY INC.**  
*Linear Digital Measuring Systems*

# Linear Digital Measuring Solutions

**Affordable**  
**Accurate**  
**Durable**



## **Product Guide**

- *General Purpose Measuring Systems*
- *Quality Control Products*
- *Specialty Tools For Woodworking*

# Accurate Technology Products Are Designed & Manufactured In The U.S.A.

Accurate Technology has manufactured and delivered over 150,000 ProScale Linear Digital Measuring Systems to the wood, plastic, glass, medical, avionics, tube & pipe, and extruding industries since 1989.

Our products are segregated by purpose and industry and fill many of the measuring requirements in these and other industrial and manufacturing operations.

We are proud of our ability to respond quickly to existing and new customers to provide a standard measuring solution, or a custom designed solution for their specific measuring requirement.

## Linear 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.

Models 150 and 250 use Capacitive Absolute technology.  
Models 180, 280, 380 and 580 use Inductive Incremental technology.

The Model 150 and 180 are available in two sizes for measurements up to 18 inches.  
The Model 250 and 280 are available in seven sizes for measurements up to 20 feet.  
The Model 380 is available in four sizes for measurements up to 10 feet.  
The Model 580 is available in four sizes for measurements up to up to 16 feet.



Several types of Digital Readouts are available for ProScale systems including battery or 24VDC operated LCD models and a 24VDC red LED model.



Digital Readouts are available with SPC, RS232 & RS485 output, and with features such as linear and non-linear compensation, temperature compensation, upper/lower limits, go/no go, basic statistics.

All ProScale models use a "captive" Encoder on the Scale. This means there is never a gap to set or change. Simply plug the Encoder into to DRO and go.

All ProScale models have the ability to have multiple Encoder/Readout combinations operated simultaneously on a single Scale.

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

## Quality Control Products

Accurate Technology has developed several turn-key, as well as custom, measuring solutions to address the linear measurement requirements of quality control and quality assurance.

These systems, based on ProScale measuring technology, have the ability to measure, monitor and collect measurement data in a wired or wireless environment at a cost far less than high accuracy glass and other measurement technology systems.

This "fractions to 10 microns" product group includes the popular ProTable, the award winning ProPanel, the New ProRF two-way wireless modules and several data acquisition and data conversion tools that work with ProScale products.



## Woodworking Products

Since 1989 Accurate Technology has been working with furniture, door & window, cabinet, millwork and other woodworking industries to develop products specifically designed to fit woodworking machinery and other environmentally demanding measurement applications.

These specialty products incorporate ProScale measuring systems and offer woodworking professionals an alternative to tapes or scale and pointer measurements for better accuracy, greater repeatability and less material waste.

***If you have any questions,  
or would like to discuss  
a custom application, please call  
us directly or contact us at  
info@accurate-technology.com.***

# ProScale Systems

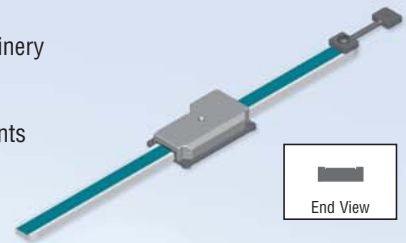
## ProScale Model 150 & Model 250

ProScale models 150 & 250 are general purpose linear measuring systems designed for use on machinery or other applications requiring absolute measuring capability.

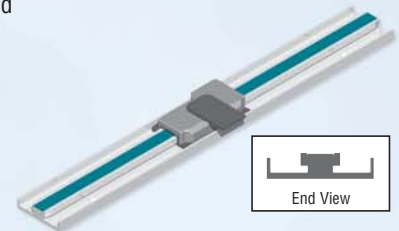
These models use Capacitive Absolute measuring technology to provide reliable, accurate measurements that are immune to dirt, sawdust or other dry non-conductive contaminants making them an ideal choice for shops and other manufacturing environments.

Models 150 and 250 are supplied with an Encoder and an extruded aluminum Scale.

Several styles of Digital Readouts, as well as a wireless Encoder, SPC transmitter, 3 way multiplexer and an analog voltage converter are available for these models.



Model 150



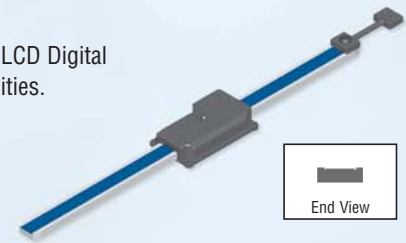
Model 250

## ProScale Model 180 & Model 280

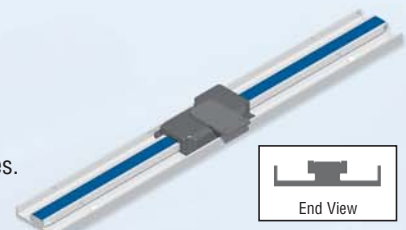
ProScale models 180 & 280 are general purpose linear measuring systems designed for use on machinery or other applications not requiring absolute measuring capability.

These models use a newer Inductive technology to provide reliable, accurate measurements. They have a higher resistance to dirt, sawdust and some splash contaminants than the Model 150/250 and also have a faster velocity capability.

Models 180 and 280 are supplied with an Encoder and an extruded aluminum Scale. Several styles of LCD Digital Readouts are available for these models, as well as wireless Encoder and SPC data transmitter capabilities.



Model 180



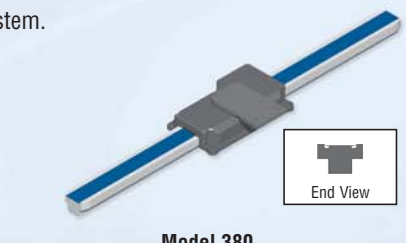
Model 280

## ProScale Model 380

ProScale Model 380 is a hybrid general purpose linear measuring system. The Model 380 Scale profile is only as wide as the Model 150/180 but is as tall as the model 250/280, providing a strong, narrow mounting solution.

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

Model 380 is supplied with an Encoder and an extruded aluminum Scale. Several styles of LCD Digital Readouts are available for this model, as well as wireless Encoder and SPC data transmitter capabilities.



Model 380

## ProScale Model 580

ProScale Model 580 is a unique extrusion design incorporating a dual rail with friction bearings. The system has a sliding carriage that captures the Encoder and moves along the scale on 4 friction bearings minimizing pitch & yaw of the encoder for the utmost in accuracy and repeatability of the system.

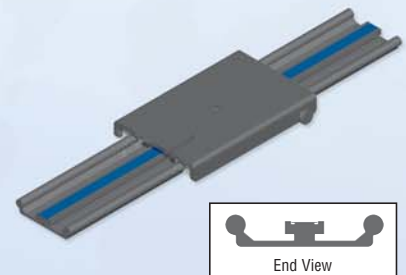
The Model 580 was designed as a stand alone measuring system or to be the foundation of systems designed by end users for their particular measurement applications.

Model 580 systems can be ordered with a special General Purpose Digital Readout incorporating both non-linear and temperature compensation. This provides the hardware and software necessary to maximize the precision of the user's measurement system environment.

Model 580 uses Inductive incremental technology to provide reliable, accurate measurements with a high resistance to dirt, sawdust and some splash contaminants.

Model 580 is supplied with an extruded aluminum Scale and a sliding carriage assembly that captures the Encoder on the Scale. This carriage has several holes predrilled for mounting the Digital Readout, a wireless data transmitter, a handle or other user features as required for the user's application.

The system can also be ordered with a wireless Encoder or SPC data transmitter.



Model 580

### NOTES:

ProScale Models 150 and 180 share the same scale profile and other mechanical dimensions.

ProScale Models 250 and 280 share the same scale profile and other mechanical dimensions.

All Absolute Models 150 & 250 Encoders are interchangeable with Model 150 & 250 scales only.

All Inductive Models 180, 280, 380, 580 Encoders are interchangeable with Model 180, 280, 380, 580 scales only.

All Models have the ability to have multiple Encoder/Readout combinations operated simultaneously on a single Scale.

## Specifications

### Models 150 & 250 Absolute Measuring Systems

Measuring Range *		Accuracy**
Model 150	2 Standard Sizes 0 – 10 or 18 inches, (0 – 250 or 450mm)	± .003 inches (0.07mm)
Model 250	7 Standard Sizes to measure up to 20 feet (6m) 0 - 24, 52, 60, 96, 120, 180 or 240 inches (0 - 600, 1300, 1500, 2400, 3000, 4500 or 6000mm)	± .002 inches/foot Maximum error < ± .008in (.20mm)
<b>Velocity Rate:</b>	Model 150/250: 15 inches/sec. (380mm/sec)	

### Models 180, 280, 380 & 580 Incremental Measuring Systems

Measuring Range *		Accuracy**
Model 180	2 Standard Sizes 0 – 10 or 18 inches, (0 – 250 or 450mm)	± .003 inches (0.07mm)
Model 280	6 Standard Sizes to measure up to 20 feet (6m) 0 - 24, 60, 96, 120, 180, 240 inches (0 - 600, 1500, 2400, 3000, 4500, 6000 mm)	± .002 inches/foot Maximum error < ± .008in (.20mm)
Model 380	4 Standard Sizes to measure up to 10 feet (3m) 0 - 24, 60, 96, 120 inches (0 - 600, 1500, 2400, 3000 mm)	± .002 inches/foot Maximum error < ± .008in (.20mm)
Model 580	4 Standard Sizes to measure up to 16 feet (4.8m) 0 - 48, 96, 144, 192 inches (0 - 1200, 2400, 3600, 4800mm)	± .002 inches/foot Uncompensated Maximum error < ± .008in (.20mm) ± .005 inches (.13mm) Compensated
<b>Velocity Rate:</b>	Model 180/280/380/580: 60 inches/sec (1500mm/sec)	
<b>Encoders:</b>	10 foot (3m) six-conductor cable terminated by an RJ12 connector is standard.*** Custom lengths are also available. Maximum cable length is 20 feet (6m).	

**Mechanical Dimensions:** Available at [www.proscale.com](http://www.proscale.com).

### Standard Measuring Lengths:

	10 IN 250mm	18 IN 450mm	24 IN 600mm	48 IN 1200mm	52 IN 1300mm	60 IN 1600mm	96 IN 2400mm	10 FT 3.0m	12 FT 3.6m	15 FT 4.5m	16 FT 4.8m	20FT 6.0m
<b>Model 150</b>	✓	✓										
<b>Model 250</b>			✓		✓	✓	✓	✓		✓		✓
<b>Model 180</b>	✓	✓										
<b>Model 280</b>			✓			✓	✓	✓		✓		✓
<b>Model 380</b>			✓			✓	✓	✓				
<b>Model 580</b>				✓			✓		✓		✓	

\* Models 150, 180, 250, 280 & 380 physical scale length is 4 inches (100mm) longer than the stated measuring range.







Model 580 physical scale length is 8 inches (150mm) longer than the stated measuring range.

\*\* Measured at the Encoder output.

\*\*\* Model 580 Encoder cable is 3' long.



All ProScale models listed above are RoHs compliant.

 <p><b>General Purpose LCD</b></p>	<p>Fully enclosed for easy surface mounting. Full feature programmability with SPC data and programmable signal output.</p> <p><b>Output:</b> Mitutoyo Digimatic® SPC and programmable open collector.</p>	<p><b>Size:</b> 4.5 x 3.5 x 1.5 inches 115 x 90 x 40 mm</p> <p><b>Power:</b> 2 AA Alkaline Batteries or 9-24 VDC</p> <p><b>Works With:</b> All Products</p>	<p><b>Resolution:</b> .0005 to .1 Inch .01 to .1 mm .001 to .1 cm 1/16 to 1/64 fraction</p> <p><b>Repeatability:</b> .001in or .01mm or .001cm</p> <p><b>Range:</b> ± 999.999 in; ± 399 63/64 in ± 9999.99 mm; ± 999.999 cm</p>
 <p><b>Basic LCD</b></p>	<p>Fully enclosed for easy surface mounting. Limited feature programmability. No outputs. Simple to use.</p>	<p><b>Size:</b> 4.5 x 3.5 x 1.5 inches 115 x 90 x 40 mm</p> <p><b>Power:</b> 2 AA Alkaline Batteries</p> <p><b>Works With:</b> All Products</p>	<p><b>Resolution:</b> .0005 to .1 Inch .01 to .1 mm .001 to .1 cm 1/16 to 1/64 fraction</p> <p><b>Repeatability:</b> .001in or .01mm or .001cm</p> <p><b>Range:</b> ± 999.999 in; ± 399 63/64 in ± 9999.99 mm; ± 999.999 cm</p>
 <p><b>Panel Mount LCD</b></p>	<p>Ideal choice for a panel or control box mounting application. Perfect choice for OEM applications. Rear facing Encoder, power and output connections.</p> <p><b>Output:</b> Mitutoyo Digimatic® SPC</p>	<p><b>Size:</b> 1/4 DIN 4.0 x 4.0 inches 100 x 100 mm</p> <p><b>Power:</b> 1 CR123 LiO Battery or 9-24 VDC</p> <p><b>Works With:</b> All Products</p>	<p><b>Resolution:</b> .0005 to .1 Inch .01 to .1 mm .001 to .1 cm 1/16 to 1/64 fraction</p> <p><b>Repeatability:</b> .001in or .01mm or .001cm</p> <p><b>Range:</b> ± 999.999 in; ± 399 63/64 in ± 9999.99 mm; ± 999.999 cm</p>
 <p><b>Compact LCD</b></p>	<p>Simple, affordable, and versatile, this DRO can be used in a surface or panel mount configuration. It is powered by one long life Lithium battery. Rear facing Encoder input.</p>	<p><b>Size:</b> 3.0 x 3.0 x 1.25 inches 75 x 75 x 32 mm</p> <p><b>Power:</b> 1 CR123 LiO Battery</p> <p><b>Works With:</b> Models: 150, 250, 180, 280, 380</p>	<p><b>Resolution:</b> .001 to .1 Inch .01 to .1 mm .001 to .1 cm 1/16 to 1/64 fraction</p> <p><b>Repeatability:</b> .001in or .01mm or .001cm</p> <p><b>Range:</b> ± 999.999 in; ± 399 63/64 in ± 9999.99 mm; ± 999.999 cm</p>
 <p><b>Panel Mount LED</b></p>	<p>Easy to see RED LED is an ideal choice for OEM panel or control box mounting applications. This DRO has 3 independent measurement reference modes. Rear facing Encoder input.</p> <p><b>Output:</b> RS485</p>	<p><b>Size:</b> 1/8 DIN 4.0 x 2.0 x 3.0 100 x 50 x 75 mm</p> <p><b>Power:</b> 24 VDC</p> <p><b>Works With:</b> Models: 150, 250</p>	<p><b>Resolution:</b> .0005 to .1 Inch .01 mm</p> <p><b>Repeatability:</b> .001in or .01mm</p> <p><b>Range:</b> ± 999.999 in; ± 9999.99 mm</p>
 <p><b>Dual Input</b></p>	<p>Panel Mount 2 Input DRO designed for a panel or control box mounting. This DRO has 2 independent rear facing Encoder inputs.</p> <p><b>Output:</b> RS232 &amp; 2 SPC</p>	<p><b>Size:</b> 5.5 x 2.75 x 3.4 140 x 70 x 85 mm</p> <p><b>Power:</b> 24 VDC</p> <p><b>Works With:</b> Models: 150, 250</p>	<p><b>Resolution:</b> .001 to .1 Inch .01 to .1 mm .001 to .1 cm 1/16 to 1/64 fraction</p> <p><b>Repeatability:</b> .001in or .01mm or .001cm</p> <p><b>Range:</b> ± 394.000 in; ± 99 63/64 in ± 9999.99 mm; ± 999.999 cm</p>

# Digital Readout Feature Matrix

This matrix is shown for comparison of features among the Digital Readouts available from Accurate Technology for ProScale measuring systems.

DRO Feature:	Surface Mount		Compact LCD	Panel Mounts		
	Basic	GP		LCD	LED	Dual
Battery Operation	•	•	•	•		
24VDC Operation		•		•	•	•
Programmable Datum Key	•	•	•	•		
Selectable Units	•	•	•	•	•	•
Inch / mm	•	•	•	•	•	•
Inch / mm / cm	•	•	•	•		•
Fractions	•	•	•	•		•
Absolute/Incremental Measurements	•	•	•	•	•	•
Auto on/off	•	•	•	•		
Offset Addition		•			•	
Upper/Lower Limit		•		•	•	•
Go/NoGo		•				
Monitor Position		•				•
External Key input		•		•		•
Backlight				• <sup>1</sup>		•
Noise Suppression	•	•	•	•	•	
Scaling	•	•	•	•	•	•
Non-Linear Compensation <sup>2</sup>		•				
Temperature Compensation <sup>2</sup>		•				
Drift Alert		• <sup>3</sup>				•
Front Panel Key Lock-out	•	•	•	•	•	•
Programming Lock Out	•	•	•	•	•	•
Sum/Difference/Arc Tan						•
Statistics		•				
Relay output(s)					•	•
Use w/ProRF Wireless SPC		•		•		•
Output Signal	None	SPC	None	SPC	RS485	RS232 & 2 SPC

<sup>1</sup> Optional

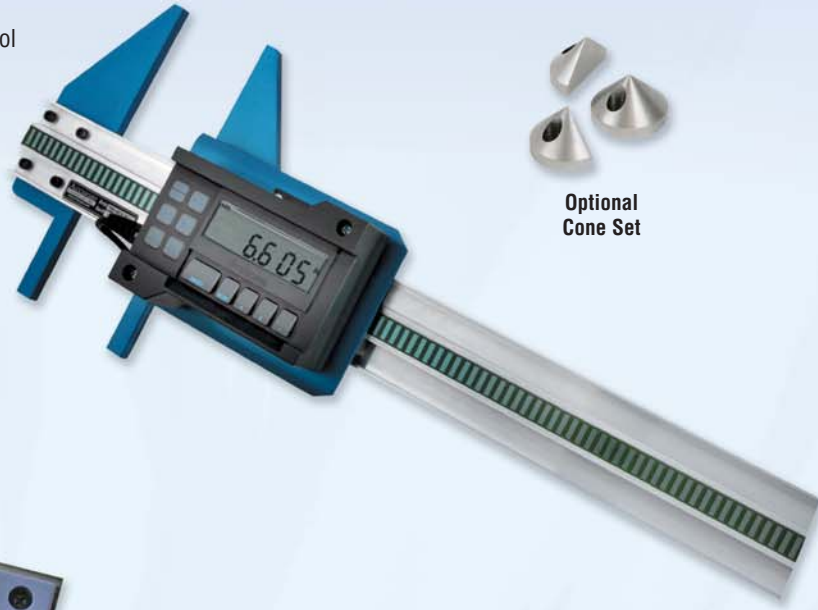
<sup>2</sup> Available with ProScale Model 580 and ProTable products only.

<sup>3</sup> Provides signal output

## ProPanel Classic

ProPanel is a portable, battery operated, caliper-like tool used to make length, width, diagonal, hole-to-hole\*\*, and edge-to-hole\* measurements up to 100 inches.

The award winning "Classic" model is built using a ProScale Model 280 and weighs in at a paltry 7 lbs. (3 kilos). It can easily be handled by one person and carried around a plant floor for on-the-spot measurements.



Optional  
Cone Set

## ProPanel

The new ProPanel -60 and -100 are based on the ProScale Model 580 and are robust enough to span up to 100 inches of measuring range. These new ProPanels have 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 people.

	Portable	Edge To Edge	Hole To Hole	Corner To Corner	Hole To Edge	Measurement Type	Jaw Material	Measurement Contact Area	Bearing Type (#)	Measuring Range
<b>ProTable</b>	With Leg and Caster Options	✓	✓*	✓*	✓*	Contact Non-Contact*	Hard Anodized Aluminum or Steel	3 x 6 in. 75 x 150mm	Steel Roller (3)	Up to 12 ft (Standard) 3.6m Up to 20 ft (Custom) 6m
<b>ProPanel Classic</b>	✓	✓	✓**	✓	✓**	Contact	Hard Anodized Aluminum	.375 x 8 in. 10 x 200mm	Nylon Friction (4)	48 in. 1.2m
<b>ProPanel</b>	✓	✓				Contact	Aluminum	.5 x 8.5 in. 12 x 215mm	Long Life Friction (4)	Up to 100 in. 2.5m

\* Non-contact video system available on custom designed ProTables

\*\* With optional Cone Set.

## Specifications:

### Measurement Range:

ProTable Standard 4, 8 or 12 ft. (1.2, 2.4 or 3.6m)  
 ProTable Custom Up to 20 ft. (6m)  
 ProPanel Classic Up to 48 in (1.2m)  
 ProPanel 60 & 100 Up to 60 or 100 inches (1.5m or 2.5m)

### Accuracy:

ProTable Standard ± .010in (.25mm)  
 ProTable Enhanced Accuracy ± .003in (.05mm)  
 ProPanel ± .015in (.38mm)

### Resolution:

.1in .1mm .1cm or .01in .01mm .01cm or  
 .001in .01mm .001cm or .0005in .01mm .001cm or  
 1/16in 1/32in 1/64in

### Repeatability:

.001in or .01mm or .001cm

### Power:

ProTable, ProPanel: 2 AA batteries

### Warranty:

1 Year

# Quality Control Measurement Systems

## ProTable™

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

This exciting new product is designed to fill the measuring tool gap from fractions (traditional tape measures), to 10 microns (higher accuracy, more fragile measuring systems).

It is built using high quality 6 inch (150 mm) wide aluminum extrusion and has an integrated ProScale digital measuring system.

With a fixed stop at one end and a moving jaw with a Digital Readout, linear measurements can be made quickly, easily and accurately with no misread tape, or other reading ambiguities. In addition, with the Digital Readout's SPC data output, measurement information can be collected in a wired or wireless configuration eliminating transcription errors.

Measurements can be displayed in Inches, Centimeters or Millimeters and the Digital Readout functions include:

- Upper/Lower limits
- Go/ NoGo
- Linear Compensation
- Temperature Compensation
- Measurement Count
- Measurement MIN, MAX and AVG
- Accumulated Measurement length

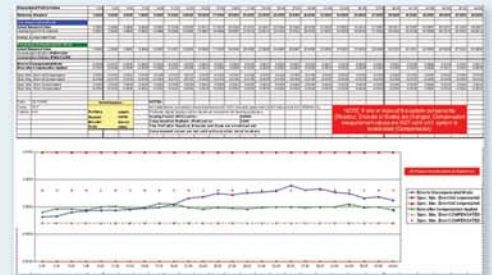
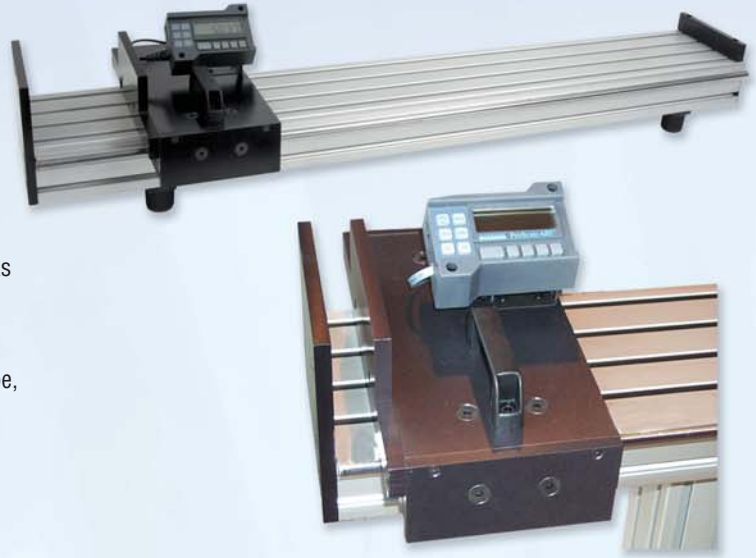
Dual opposed roller bearings easily maintain linear accuracy of .010 inch (.003 with enhanced accuracy model), and resolution of .001 inch, virtually eliminating Abbe and cosine errors commonly found in other linear measuring systems.

The Standard ProTable is supplied as a Benchtop model with short adjustable feet for easy leveling. Additional ProTable options include:

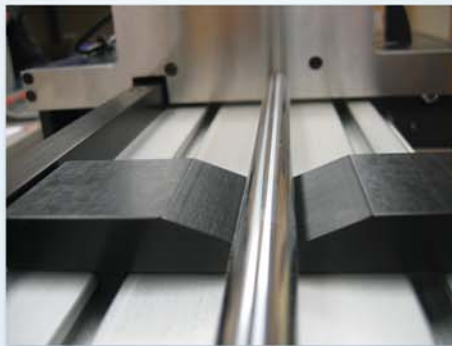
- Enhanced Accuracy
- Leg frame kit
- Heavy duty rubber casters
- Movable saddle "V" Blocks
- Backfence
- Hardened and ground steel jaws
- Surface wear sheets
- Wireless SPC data transmission

ProTable is also available as a custom designed solution to suit your measurement application needs. We work with you to design your custom table using 3D CAD software and the eDrawings® viewer. You get to approve your conceptual design in 3D before we begin construction.

(©Registered Trademark of Solidworks)



Supplied Correction Chart

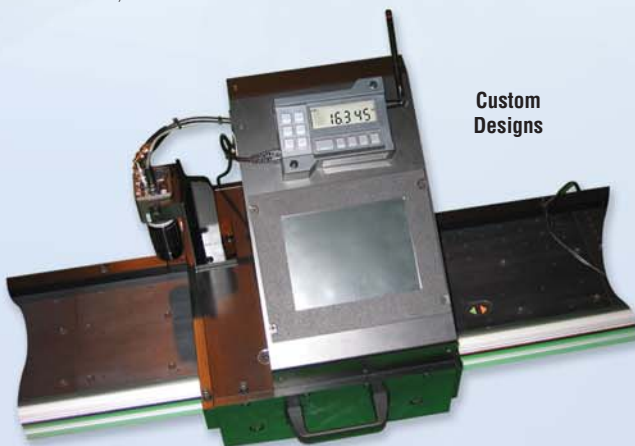


Saddle V Block



Legs & Casters

Wear Sheets



Custom Designs



# Accessories & Data Acquisition Devices

## Wireless Data Solutions



### ProRF SPC

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



### ProRF Receiver

This receiver is used with the ProRF SPC and Wireless Encoder systems to receive and acknowledge measurement information from any combination of up to eight SPC or Encoder transmitters. It has both RS232 and USB outputs. The Receiver will support standard baud rates from 2400 to 57600.



### ProRF Wireless Encoder

When an Encoder to DRO cable length is greater than 20 feet, or when the Readout needs to be placed in a remote location, the Wireless Encoder system 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 a ProScale Digital Readout.

## Wired Data Solutions



### Analog Interface

The Analog Interface Unit or AIU is a device that provides the user of a ProScale measurement system with SPC output, a method of generating an analog DC output voltage that is proportional to the currently displayed measurement or position. This output can be used as an A/D converter input on a PLC or other device that utilizes an analog input signal. The AIU provides a DC signal from 0 to 5 volts or 0 to 10 volts.



### ProMUX-3™

ProMux-3 is an easy to use hardware interface providing communication and control of one, two or three ProScale Encoders from a PC or PLC via an RS232 serial interface. No Digital Readout is needed as the ProMUX-3 provides power and control signals directly to the Model 150 or 250 Absolute Encoder.



### GageWay SM™

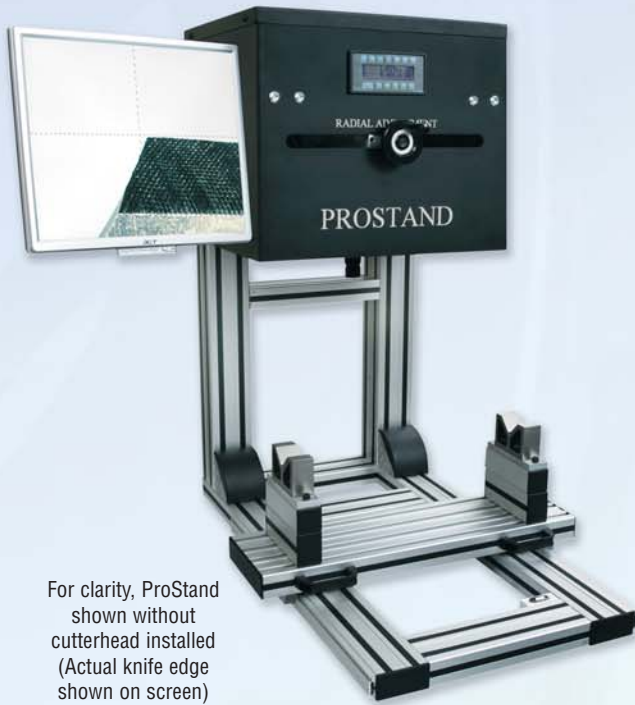
#### With RS-232 or USB Output

The GageWay SM is an easy-to-use interface designed to connect the ProScale Digital Readout SPC output to an RS-232 serial or USB port. When using the USB version of the GageWay SM, the USB connection looks like a standard RS-232 serial port to your PC application. Both RS-232 and USB models come with a 72 inch cable.

## Specifications:

	Input	Inputs	Output	Frequency / Speed	Range	Power
<b>ProRF SPC Transmitter</b>	DRO SPC output	1	RF Data	2.4 GHz	up to 100 ft	1 CR2450 3v Battery
<b>ProScale RF Receiver</b>	RF Data	up to 8	RS232 or USB	2.4 GHz		RS232: 12VDC, USB: none
<b>ProRF Encoder Transmitter</b>	Encoder	1	RF Data	2.4 GHz	up to 100 ft	EL123 3v Battery
<b>ProRF Encoder Receiver</b>	RF Data	1	Cable to DRO	2.4 GHz		12-24VDC
<b>Analog Interface</b>	DRO SPC output	1	0-5VDC or 0-10VDC			8-24VDC
<b>ProMUX 3</b>	Encoder	3	RS232	9600-19200 Baud		12VDC
<b>GageWay</b>	DRO SPC output	1	RS232 or USB	9600 Baud		None

## Moulders



For clarity, ProStand shown without cutterhead installed (Actual knife edge shown on screen)

### ProStand HD™

ProStand is a two-axis cutterhead measuring and set-up stand that measures Radius and Axial position of cutterhead knife features using non-contact video and digital measurement technology.

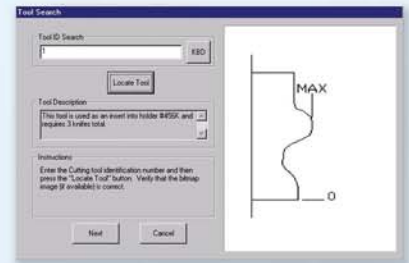
Older technology optical comparator set-up stands provide a small black shadow image of the knife edge. ProStand uses a color video camera, laboratory optics and large LCD color monitor to provide a clear knife edge image magnified 20+ times. Inspection of grind quality, cracks, defects and blueing (due to overheating) are easily seen.

ProStand's built-in Digital Readout calculates point-to-point, arc radius and arc length measurements and prints measurement information to an optional label printer via built-in RS232. The Readout can also be polled for measurement information by serial devices such as a PC or PLC.

ProStand is designed to be used with your grinding shaft. The V blocks will be supplied on request with special spacer blocks if your shaft has different end bearing sizes. Custom made V-Block spacers can be provided for offset style shafts.

ProStand systems come standard with ProTool™ software. This database software is used for cataloging cutting tool information. It can record axial and radial measurements, the last time a cutterhead was

sharpened, who measured the head, what machine(s) it has been run on, where it is stored, what material the knives are, how many feet before re-grinding, where and when the tooling was purchased and other pertinent details for each tool. Information is then easily recalled for production analysis, wear analysis, and tracking by vendor or shop location. An operator using ProTool can print labels containing radial and axial measurement data and tool ID.



### ProStand is available in two models:

#### ProStand HD

This system incorporates a unique "industry-first" sliding platform to accommodate cutterheads up to 15 inches (380 mm) and weighing up to 400lbs (180 kg). This sliding platform allows users to safely place large, heavy cutterheads on the ProStand using hoists or overhead cranes.

#### ProStand

This system is identical in operational capability and function as the ProStand HD but without the sliding platform.

### ProSet™

ProSet is the perfect companion to ProStand to reduce setup time and wasted trial run pieces when setting up a new moulding job or changing cutterhead tooling.

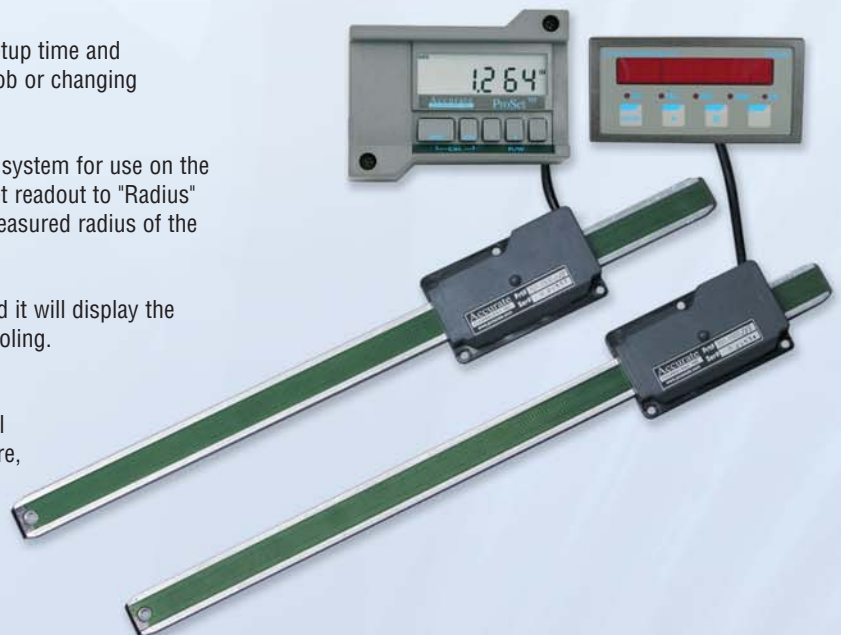
ProSet is a specially designed ProScale digital measuring system for use on the top and outside heads of moulders. Simply set the ProSet readout to "Radius" mode and adjust the moulder spindle position until the measured radius of the cutterhead is displayed.

Push a button on the ProSet readout for "Width" mode and it will display the outfeed dimension based on the current position of the tooling.

### ProSet is available with a choice of Digital Readouts:

A battery operated LCD Readout that requires no electrical installation, and can be surface mounted virtually anywhere, or a 24VDC red LED readout designed to be located in a panel or control box enclosure.

For all of the remaining moulder spindles, a ProScale Model 150-10 is the ideal solution.



## Saws, Planers & Sanders

### ProStop™

ProStop is a complete Digital Stop and Fence System for miter saws. It includes an aluminum Fence, a Flip Stop with fine adjust, reversible 90°/45° plate and double lock down mechanism.

ProStop is supplied with 2 hardware "Quick Sets". These are useful for setting one or two cutting positions that are used often allowing very fast setup for your most common cut lengths.

ProStop will put an end to inaccurate measurements and repeatability problems. No other manual stop and fence system can match ProStop's repeatability.



### Planer/Sander Kit

Here's everything you need to add digital measuring capability to your commercial wide belt sander or planer. The Planer/Sander Kit includes a ProScale Model 150-10 to measure up to 10 inches of opening on your sander or planer.

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



Installation Brackets

### ProKits™

ProKits are available for many of the popular commercial sliding table saws and vertical panel saws. They add digital precision and repeatability at an affordable price to the existing saw fence systems. All ProKits are pre-engineered to fit specific makes and models and come with complete easy-to-follow instructions and all the necessary hardware for easy installation.

Additional saw fence systems are added regularly. Check [www.proscale.com](http://www.proscale.com) or call us if your saw is not listed.

ProKits Available For: Altendorf, Casedei, Casolin, Elcon, Griggio, Holz-Her, Paolini, Putsch Meniconi, SCM and Safety Speed Cut.



### Woodworking Products Specifications

	Measurement Range:	Accuracy:
ProStand	Radius 7.5 in (190mm) Axial 14 in (354mm)	± .003in ± .07mm ± .003in ± .07mm
ProSet	10 in. (250mm)	± .003in ± .07mm
ProStop	50, 94, 114, 234 inches (1.3m, 2.4m, 2.9m, 5.9m)	± .010in ± .25mm
Planer/Sander Kit	10 in (250mm)	± .003in ± .07mm
ProKits	Depends on Model	± .010in ± .25mm
<b>Resolution:</b>	.0005 to .1 in, .01 to .1mm, .001 to .1cm, 1/16in to 1/64in	
<b>Repeatability:</b>	.001 in or .01mm or .001cm	
<b>Power:</b>	ProStand: 110/220VAC; ProSet: 2 AA batteries or 24VDC; ProStop, Planer/Sander Kit & ProKits: 2 AA Batteries	
<b>Warranty:</b>	1 Year	

# New Product !



## ProTable-CAB™ Quality Control System For Cabinet Doors

Winner of the 2009 Sequoia Award for Product Innovation



ProTable-CAB is a turn-key solution for production or incoming quality control of cabinet doors.

Two ProScale® measuring systems in an X-Y configuration allow non-skilled workers to make simultaneous dimensional measurements up to 40 by 60 inches. The measuring table angle is adjustable from 15 to 55 degrees of tilt for maximum comfort and ease of operation.

The system is available in three standard configurations:

**ProTable CAB** uses a ProScale battery operated LCD readout on each measuring axis.

**ProTable-CAB V** replaces the LCD readouts with an LCD touch screen monitor and VDRO™ software.

**ProTable-CAB S** is a fully configured system that includes an industrial PC, wireless data transmission, an LCD touch screen monitor and ProCAB QC™ software.

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

*The AWFS® Sequoia Awards is a prestigious competition that's judged by industry users and recognizes and honors the creativity, quality and innovation of the best new product offerings on the market*

## ProTable-CAB Specifications

Measuring Range: 60 x 40 inches (1500mm x 1000mm)  
Accuracy:  $\pm .012$ in (.3mm)  
Resolution: .001in or .01mm



## Virtual Digital Readout (VDRO) Software

### Standard Edition (Included with ProTable-CAB V)

- Programmable direction & position Datum for each axis
- Programmable resolution
- Unique Part IDs with descriptions up to 50 characters
- Nominal & Upper/Lower limit for X and Y measuring parameters

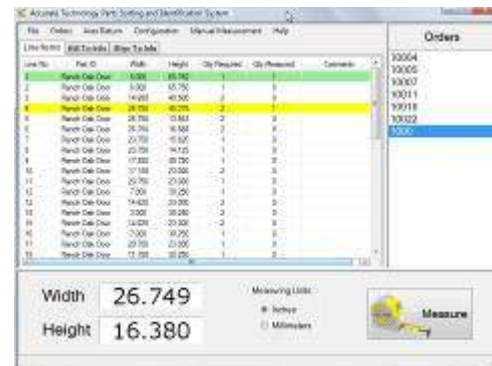
### Professional Edition (Optional on ProTable CAB V)

- Measurement histograms
- Output file (csv) with recorded measurements.
- Printer output (Printer not included)



## ProCAB QC Software

- Import parts and/or order files (using CSV file mapping)
- Inspect parts in any order
- Print labels with bar code for each part
- Create output file with recorded measurements
- Create packing lists
- Dimensional part measurement tolerance for height and width is user definable.
- Separate user definable data mapping templates for both single and multi-order file formats.
- Line items are automatically marked complete when the number of parts for line item have been measured.
- Orders are marked as complete when all line items have been completed.
- Packing slips can be printed containing the customer ship and bill information plus part measurements.
- Completed order data is written to individual files when an order is complete.
- Production data can be imported in either inches or millimeters.
- Production measurement data can be imported in either decimal or fractional inches or a mixture of the two.
- Displayed measurement position data can be switched between inches and millimeters on the fly.
- Measurement precision is definable for both inches and millimeters.
- Software can recognize if one or more line items have the same measurement specifications (Part Ambiguity).
- The system can be configured to accept out of tolerance parts with user interaction.
- Optional label printer feature to generate self-adhesive labels for measured parts including width and height.
- Label printer field positions are user definable for custom label applications.



# Solving Measurement Problems



**ProPanel RF**

## 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



**ProTable**

## 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?**



**ProTable RF**

## 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



**ProScale**



# Solving Measurement Problems

Here is the information you requested.

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*Linear Digital Measuring Systems*

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