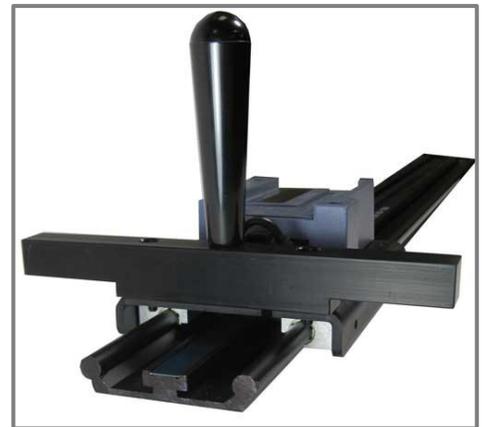# ProKit Models 550 and 590: Build-Your-Own Measuring Table

ProKit Models 550 and 590 are digital measurement packages for anyone that wishes to design their own measuring solution, but needs the digital components, a linear bearing, and a sliding carriage. Make a table from wood, plastic, or metal, and attach ProKit 550/590. Install a fixed stop, align the jaws, and you are all set. Both systems even allow for on-site calibration *after* the assembly is complete, thereby offsetting minor assembly error such as irregular table flatness, slight jaw misalignment, and more. ProKit models 550 and 590 are built using a single aluminum extrusion which serves as both a linear guideway and the digital measuring scale. A carriage is included that has 4 ultra-low friction bearings that work great in most environments, even when debris is present. A hard-anodized moving jaw/contact is added to the carriage. And a battery-powered ProScale General Purpose "E" Readout is mounted to the sliding carriage.
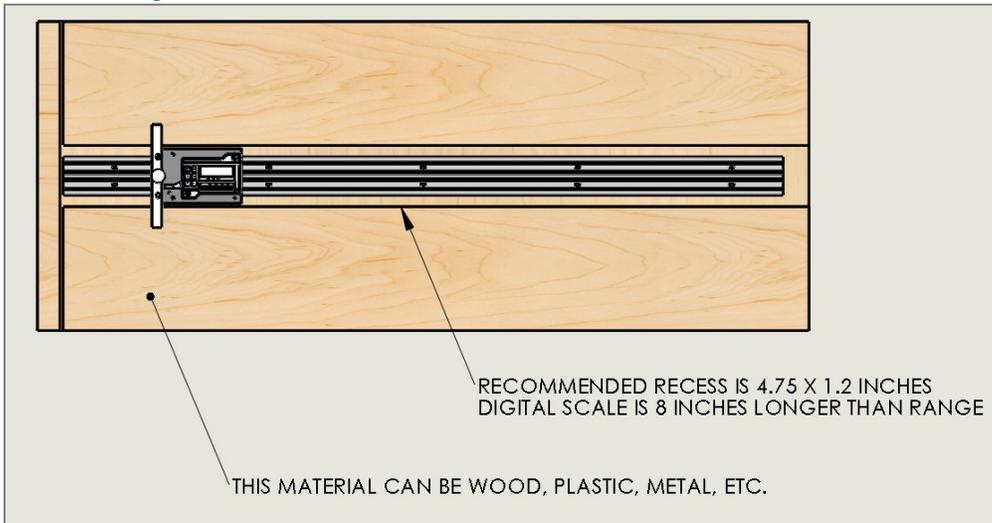
Features:

- Repeatable to .001 inch or 0.02mm.
- Battery powered system (no wiring to install or manage).
- Configurable for left or right hand operation.
- Includes incremental mode – for making comparison measurements. Return to the absolute mode when done, and there's no need to recalibrate system.
- Very fast slew rate – move the carriage up to 60 inches/second (590 version only).
- Display measurements in 16ths, 32nds, 64ths, decimal inches (3 places), centimeters (3 places) or millimeters (2 places).
- Automatic power-off after 15 minutes. Automatic power-on when carriage is moved.
- Special functions: Go/NoGo, Summation of part lengths, MIN, MAX, and AVG statistics
- Built-in SPC port can be used to send measurements over wired or wireless connections.
- Automatic temperature sensing and auto-correction for CTE.
- The readout can be calibrated following assembly for even better accuracy (requires equal length gage bars for the range of measurement to be calibrated).
- Available with Incremental encoder (Model 590) or absolute encoder technology (Model 550).
- Built-in SPC DATA port can be used to easily send measurements using our ProRF wireless transmitter

Specifications:

- Accuracy: Within .010 inches (as shipped)
- Repeatability: Within .001 inches
- Resolution: .001 inches, .01mm, or 1/64th inches
- Power: 1ea. Size 123 Lithium battery
- Range: 4 standard sizes, 48-192 inches. Custom sizes from 12-192 inches.
- Maximum slew rate: 60 inches/second (590 version), 10 inches/second (550 version)
- Warranty   1 year
- Design Help   2D and 3D CAD files are available, factory assistance available

From Design:

RECOMMENDED RECESS IS 4.75 X 1.2 INCHES
DIGITAL SCALE IS 8 INCHES LONGER THAN RANGE

THIS MATERIAL CAN BE WOOD, PLASTIC, METAL, ETC.

To Measurement!

Wood Table, Steel Fences

Aluminum Table

Composite Table, Vertical Orientation

Two Systems Mounted at 90 degrees