

## Measurement

Precision, tool steel **Vernier Caliper** measures inside and outside dimensions in metric or English units. the scale is 15 cm or 6 inches long. This fine instrument has a depth gauge and locking mechanism.



PA-76, PA-76A & PA-76B

- Model PA-76** single range : 0-150mm x 0.002 mm, with vinyl bag.
- Model PA-76A** double range : 0-150 mm x 0.05 mm, and 0-6" x 1/128", with plastic case.
- Model PA-76B** double range : 0-150mm x 0.02 mm, and 0-6" x 1/1000", with plastic case.

**Plastic Vernier Calipers, Model PA-76C**, with printed scale, molded of a special high impact plastic for precision instruments. Upper scale capacity of over 6 inches with a reading accuracy of 1/128". Lower scale capacity of 155 mm with a reading accuracy of 0.05mm. Measures inside, outside and depth dimensions, with plastic bag.



PA-76C



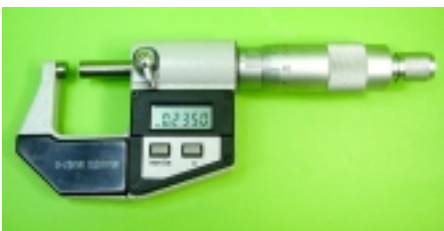
PA-158

**Electronic LCDDigital Calipers, Model PA-158**, this stainless steel caliper measures both inside and outside diameter with a measuring range from 0 to 150 mm in 0.01 mm divisions or 0 to 6 inches in 0.0005 inches with the touch of a button. The bright LCD display is powered by a 1.5V silver oxide battery (included). Complete with plastic case.

**Metric Calipers Micrometer, Model PA-77**, this excellent quality micrometer will read from 0 to 25mm in 0.01 mm divisions. A ratchet stop ensures equal pressure on parts being measured. This precise instrument has a forged steel frame, comes with hex key for zeroing the thimble and with plastic case.



PA-77



PA-159

**Precision LCDDigital Micrometer, Model PA-159**, this high quality steel micrometer gives you fast, accurate measurements from 0 to 25 mm in 0.001 mm divisions or 0 to 1 inch in 0.0001 inch divisions on a digital readout. Select mm or inch scale with the touch of a button. With operating instructions, wrench for adjustments, 1.5V solver oxide battery and foam lined case.

**Hardwood Meter Stick**, double graduated to 100 cm in intervals of 1 mm and in horizontal reading, both sides, width : 28 mm, thickness : 7 mm.

**Model PA-78 in one meter,**  
**Model PA-79 in half meter.**



PA-78 & PA-79

## **Pulleys**

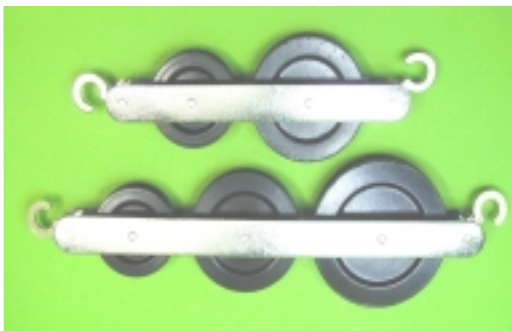
These economical pulleys are perfect for students use. They come with steel frames, brass axles, wide hubs and rigid plastic free-running sheaves. Sheaves on single axle pulleys are 50 mm in diameter. All pulleys feature steel hooks at each end.

**Model PA-80** Single Sheave  
**Model PA-81** Double Sheave  
**Model PA-80A** Triple Sheave



PA-81A

PA-80A, PA-81, PA-80



**Model PA-81A** Double in line,  
 Wheels diameter are 30 & 40 mm.

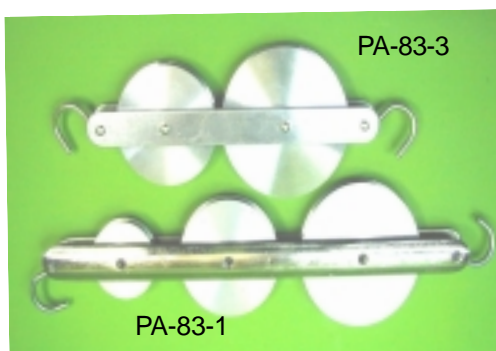
**Model PA-81B** Triple in line,  
 Wheels diameter are 30, 40 & 50 mm.

PA-81B



PA-83-2, PA-83, PA-82

**Model PA-82** Aluminium pulley, single sheave, mounted in metal frame, wheel diameter 50 mm.  
**Model PA-83** Aluminium pulley, double sheave, mounted in metal frame, wheel diameter 50 mm.  
**Model PA-83-2** Aluminium pulley, triple sheave, mounted in metal frame, wheel diameter 50 mm



PA-83-3

**Model PA-83-3** Aluminium pulley, double in line,  
 mounted in metal frame, wheel diameters are 40 & 50 mm.

**Model PA-83-1** Aluminium pulley, triple in line, mounted in metal frame, wheel diameters are 30, 40 & 50 mm.

PA-83-1

**SLOTTED WEIGHT & HANGER**

**Slotted Weights**, economical solid stainless steel, flat, with large central hole and small slot to prevent masses sliding off hanger. For general lab use at the junior and senior school level. Each marked with its weight.

<b>Model</b>	
<b>PA-85AS</b>	1 gm
<b>PA-85BS</b>	2 gm
<b>PA-85CS</b>	5 gm
<b>PA-86S</b>	10 gm
<b>PA-87S</b>	20 gm
<b>PA-88S</b>	50 gm
<b>PA-89S</b>	100 gm



PA-85AS to PA-89S



PA-90S to PA-92S

<b>Model</b>	
<b>PA-90S</b>	10 gm
<b>PA-91S</b>	20 gm
<b>PA-91AS</b>	50 gm
<b>PA-92S</b>	100 gm

**Weight hanger** for use with slotted weights, stainless steel. The hanger marked with its weight. These weight hangers will only work with the slotted weights as listed and might not work with any other brand.

**HOOK WEIGHT SET**

**Model PA-92A**, for general laboratory use and in particular, with trip scales. Made of solid metal with hook at top and recessed bottom with crossbar. Value is marked on each weight. Set of 9 in a plastic block (1 x 10 gm , 2 x 20 gm, 1 x 50 gm, 1 x 100 gm, 2 x 200 gm, 1 x 500 gm and 1 x 1000 gm). Total 2,100 gram.



PA-92A



PA-92A-1 to PA-92A--7

**Single Hook Weights**, replacement for model PA-92A

<b>Model</b>	
<b>PA-92A-1</b>	10 gm
<b>PA-92A-2</b>	20 gm
<b>PA-92A-3</b>	50 gm
<b>PA-92A-4</b>	100 gm
<b>PA-92A-5</b>	200 gm
<b>PA-92A-6</b>	500 gm
<b>PA-92A-7</b>	1000 gm

**METRIC WEIGHT SET**

**Metric Weight Set**, A nice set of quality weights are stored in a high impact open molded plastic hinged box. 1 gram and over are in bottle shaped, brass made and complete with forceps. All fractional weights are copper and aluminium made.



PA-92B

**Weights set of 16 pcs, model PA-92B**, each set includes 1 x 1gm, 2 x 2gm, 1 x 5gm, 2 x 10gm, 1 x 20gm, 1 x 50gm, Fractional weights include 1 x 10mg, 2 x 20mg, 1 x 50mg, 1 x 100mg, 2 x 200 mg, 1 x 500mg. Total 101.1 gram.



PA-92B-1

**Weights set of 9 pcs, model PA-92B-1**, each set includes 1 x 1gm, 2 x 2gm, 1 x 5gm, 2 x 10gm, 1 x 20gm, 1 x 50gm, 1 x 100gm. Total 200gram.



PA-92B-3

**Weights set of 8 pcs, model PA-92B-3**, each set includes 1 x 1gm, 2 x 2gm, 1 x 5gm, 2 x 10gm, 1 x 20gm, 1 x 50gm. Total 100gram.



PA-92B-4

**Weights set of 10 pcs, model PA-92B-4**, each set includes 1 x 1gm, 2 x 2gm, 1 x 5gm, 2 x 10gm, 1 x 20gm, 1 x 50gm, 1 x 100g and 1 x 200g. Total 400gram.



PA-92C-1

**Weights set of 12 pcs, model PA-92C-1**, each set includes 1 x 1gm, 2 x 2gm, 1 x 5gm, 2 x 10gm, 1 x 20gm, 1 x 50gm, 2 x 100gm, 1 x 200gm and 1 x 500gm. Total 1,000gm.



PA-92D-1

**Weights set of 13 pcs, model PA-92D-1**, each set includes 1 x 1gm, 2 x 2gm, 1 x 5gm, 2 x 10gm, 1 x 20gm, 1 x 50gm, 2 x 100gm, 1 x 200gm, 1 x 500gm and 1 x 1000gm. Total 2,000gm.



PA-92B-2

**Economy Weight Set of 8 pcs, Model PA-92B-2**, includes 1 x 1gm, 2 x 2gm, 1 x 5gm, 2 x 10gm, 1 x 20gm and 1 x 50gm weight. (without forceps), supplied in plastic bag. Total 100gm.