

# Series 100 Accessories

Educational Training Equipment for the 21st Century

Bulletin 256K

## MODEL BT-100A-ZM Tachometer- Generator & Indicator



Dimensions: 11"H x 6"W x 14"D  
Shipping Weight: 15 lbs.

The **Model BT-100A-ZM** couples to the shaft of Hampden Series 100 machines for continuous speed measurements of 0–2000 rpm or 0–4000 rpm in either direction of rotation. A DC voltage, directly proportional to speed (6V/1000 rpm), is available through pomona jacks for use as a feedback signal in automatic control systems.

## MODEL SLA-100M Strobe Tachometer



Shipping Weight: 3 lbs.

The **Model SLA-100M** Strobe Tachometer is a multi-purpose stroboscopic lamp with a digital LED readout and knob for adjusting the flash rate between 100 to 12,000 flashes per minute (FPM). Accuracy is  $\pm 1$  FPM.

The **SLA-100SYN option** is provided with input and output jacks to provide external triggering or synchronization.

## MODEL HPT-100A Digital Photo Tachometer



Dimensions: 3¼"H x 6"W x 6¼"D.  
Shipping Weight: 5 lbs.

The **Model HPT-100A** Hand Tachometer measures rotational speed between 50 rpm and 10,000 rpm. The photo sensor is mounted on a magnetic bracket that allows "hands free" speed measurement. Line-powered (115V or 230V AC) digital circuits display speed via five 0.5" high 7-segment LEDs. Accurate within 1 rpm. Also provides a 0 to 5 volt DC analog output for use as a feedback signal in closed loop motor speed control systems

## MODEL HT-100-L Digital Optical Tachometer



Dimensions: 2¾"  
Shipping Weight: 2 lbs.

The **Model HT-100-L** Digital Optical Tachometer measures rotational speed between 5 and 200,000 rpm. The HT-100-L is a precision instrument of especially rugged construction. Accuracy is  $\pm 0.01\%$  of the actual speed being measured. Designed for ease of use. Furnished complete with case, a remote contact assembly including concave and convex tips, a 10cm linear speed wheel, and a 5 ft. roll of reflective tape.

## MODEL MGB-100DG Motor Bedplates



**MODEL MGB-100DG** for two machines  
Dimensions: 4"H x 32"W x 16"D  
Shipping Weight: 25 lbs



**MODEL MGB-100-DG3** for three machines  
Dimensions: 4"H x 48"W x 16"D  
Shipping Weight: 30 lbs

The **Model MGB-100DG** Motor Bedplates hold Hampden Series 100 Machines securely in place during experimentation. The bedplates, constructed of heavy steel, rest on rubber vibration pads. They are furnished complete with serrated rubber couplings and necessary shaft guards.

## MODEL PS-100 Plugging Switch



Dimensions: 8¾"H x 4"W x 14"D  
Shipping Weight: 5 lbs

The **Model PS-100** Plugging Switch is a three-terminal control circuit sensing device mechanically connected to the motor shaft. It illustrates how the reversal of armature connections can create a large braking torque. Plugging can be arranged for either direction of motor rotation

All Hampden units are available for operation at any voltage or frequency

**Hampden**  
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