

# Series 100 Starters & Load Accessories

Educational Training Equipment for the 21st Century

Bulletin 253K



Dimensions: 7½" H x 19" W x 8½" D  
Shipping Weight: 30 lbs

## DC Automatic Starter MODEL DC-AS-100

The **Model DC-AS-100** DC Automatic Starter is a two-step reduced voltage starter, controlled by a time delay relay. The starting resistance may be varied for demonstration purposes. After a pre-established time, the armature is automatically connected across the line. Furnished complete with cords.



Dimensions: 7" H x 12" W x 7" D  
Shipping Weight: 20 lbs

## Manual 3 & 4 Point DC Starter MODEL DC-MS-100

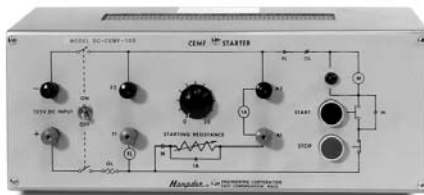
The **Model DC-MS-100** has seven resistance steps, through which the manually operated arm brings a DC motor up to speed, and a holding relay to keep the arm in the full ON position. The unit may be connected for use as either a 3-point or a 4-point starter. Furnished complete with cords.



Dimensions: 10" H x 20" W x 14" D  
Shipping Weight: 40 lbs

## Variable Inertia Load MODEL VIL-100

The **Model VIL-100** is coupled directly to Hampden Series 100 motors. Its four steel discs may be mounted singly or in any combination to demonstrate the effect of load inertia on motor starting, running, and stopping characteristics.



Dimensions: 7½" H x 19" W x 8½" D  
Shipping Weight: 30 lbs

## DC Counter Electromotive Force Starter MODEL DC-CEMF-100

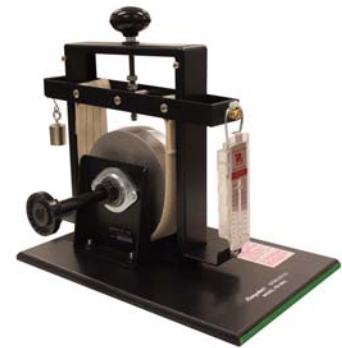
The **Model DC-CEMF-100** is similar in construction and appearance to the **Model DC-AS-100**. It is a two-step reduced voltage starter, controlled by the counter electromotive force generated by the motor. The starting resistance may be varied for demonstration purposes. When the CEMF has reached a pre-established value, the armature is automatically connected across the line. Furnished complete with cords.



Dimensions: 7" H x 9" W x 7" D  
Shipping Weight: 20 lbs

## Three-Phase AC Magnetic Starter MODEL MS-100-3A

The **Model MS-100-3A** is an across-the-line starter containing pushbuttons, pilot lights, O/L protective devices, and an electromechanical relay with three sets of contacts plus aux contacts. Used for starting and stopping polyphase motors. Furnished complete with cords.



Dimensions: 13½" H x 12" W x 14" D  
Shipping Weight: 25 lbs

## Prony Brake MODEL PB-100A

The **Model PB-100A** is used to load motors for investigations of torque characteristics. Load is adjusted by tightening a belt against a rotating drum. Drum may be water-cooled, if desired. Range 0-432 ounce-inches.

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



**Hampden**  
ENGINEERING CORPORATION

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