

# Governor Products

## Ballhead Drive Simulator

### Test On-line Governor Performance with Unit Off-line

TEST AND  
CALIBRATE  
ON-LINE  
GOVERNOR  
PERFORMANCE

DESIGNED FOR  
MECHANICAL  
GOVERNORS

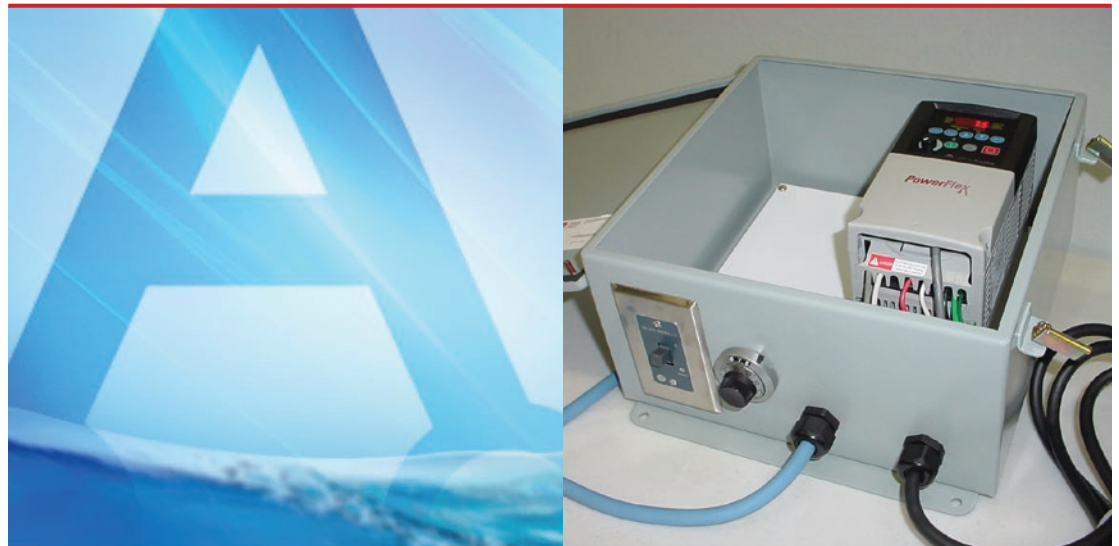
PRECISE SPEED  
CONTROL

DIGITAL  
TACHOMETER

FINE-ADJUST  
CONTROL  
POTENTIOMETER

REMOTE  
CONTROL  
INTERFACE  
(DH-485)

DETAILED  
INSTRUCTION  
MANUAL



Our Ballhead Drive Simulator allows you to test and calibrate on-line performance of a mechanical governor while the unit is off-line and idle. This portable apparatus utilizes a variable frequency drive to inject a simulated

speed signal to the governor ballhead. Step changes or ramps can be simulated and governor response measured. This is useful for both normal governor testing and NERC / WECC performance verification.

#### **BALLHEAD DRIVE SIMULATOR INCLUDES:**

- Variable-frequency motor drive
- Precision speed control potentiometer
- Pre-wired control enclosure with On/Off switch
- Programmable step and ramp functions
- Remote control/monitoring interface (DH-485)
- Detailed instruction manual

American Governor Company offers a complete line of pre-engineered retrofit kits, partial upgrade kits, and digital governor systems:

#### **GOVERNOR RETROFIT KITS AVAILABLE:**

- Solenoid-Operated Pump Unloader Kits and Lead/Lag Operator Panels
- Selsyn Replacement Kits (substitutes 4-20mA transducers, new remote indicators)
- 3D Cam Replacement Kits (eliminates obsolete mechanical and early-digital designs)
- PLC-based Speed Switch Replacement Kits (eliminates auxiliary switches)
- Digital Governor Interface Kits (for remote control of mechanical and analog governors)
- Kidney Loop Oil Filtration Systems

#### **GOVERNOR UPGRADE KITS AVAILABLE:**

- Partial Upgrade Kits (includes PLC and Pilot Valve Replacement Kits)
- Complete Governor Upgrade Systems (includes PLC, Valves, HPU, Pressure Tanks and Servos)
- Digital governor upgrades are available for:
  - Mechanical Cabinet Actuators
  - Analog Electric Actuators (Mod I and II)
  - Type A Actuators
  - Gateshaft Governors
  - Other Types: Pelton, Cheston, Allis-Chalmers, Voith, Lombard, SM Smith and others

While we do offer upgrade kits, American Governor is also proud to support your legacy governors with high-quality replacement parts at reasonable prices, expert field service on short notice, knowledgeable technical support, and professional training classes.



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