SERVOMOTOR TRAINING SET (FS-BMK) (Basic Model)

Servomotors take more and more an important role in the daily automation life. Their seemingly complex structure becomes more easy to deal with when experienced with Ferma Training Sets. These sets are also used to understand the basics of robotics.

The aim of the set is to teach the speed, torque and position control of servomotor.
The software delivered with is able to make the changes also directly from a PC.

The system consists of:
- Servomotor and servo drive
- Belt drive
- Inductive sensors
- Emergency stop
- Manual control simulator
- Distance measuring unit with display
- Documentation

Available experiments, which can be applied with the sets are;

- Servomotor and servo drive characteristics
- Learning the parameter adjusting of servo drive
- Position Torque and speed control with servomotor
- Servomotor encoders and signal reading
- Setup of the manual control unit with a servo drive, sensors and travelled lineer distance calculation from servomotor encoder with a display
- Understanding the sensor characteristics, as
  - Incremental encoder
  - Inductive sensor
  - Mechanical pressure manometer