Product Name : Servo Machine Test stand	**Product Code :** NEE -18-06-18-0035

Description :

Servo Machine Test stand

Technical Specification :

Servo Drive Control Unit Minimum Specifications
- Dynamic and Static four-quadrant operation
- Manual and Automatic Operation Using Computer
- USB interface
- Static four-quadrant operation
- Torque control operating mode
- Speed control operating mode
- Flywheel operating mode
- Lifting drive operating mode
- Roller/calendar operating mode
- Fan operating mode
- Winding gear operating mode

Compressor operating mode
- Arbitrary time-dependent load operating mode
- Operating mode should support manual and automatic synchronization
- Integrated galvanically isolated measuring amplifier for voltage and current measurements
- Display of speed and torque
- Four-quadrant monitor
- Thermal monitoring of machine under test
- Check for presence of shaft guard

- Maximum speed: 4000rpm
- Maximum torque 10Nm

Servo Drive Control Software Minimum Specifications:

- Recording characteristics of machines
- Recording of variables over time
- determining dynamic and static operating points
- emulates different loads
- Measurement, calculation and display of mechanical and electrical variables
- (Speed torque, mechanical power output, current, voltage, active, apparent and reactive power, efficiency, power factor)
- Simultaneous display of measured and calculated values
- Measurement of voltage and current (including RMS values)
- Speed or torque-controlled operation
- Programming of limiting values of speed or torque to prevent inappropriate loading of the machine under test.

- Operation in all four quadrants (display of generated torque)
- Arbitrarily defined ramp functions for PC-controlled load experiments
- Display of characteristics from several experiments to better illustrate the effect of parameter changes

Export of graphics and measurements to Excel file.

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