INSTRON 5965 DUAL COLUMN TABLETOP TESTING SYSTEM

Description of Equipment
- A universal, static testing equipment for tensile, compressive, shear, flexural, peel, tear and cyclic tests.
- Measurement range:
  - 5 kN (1125 lbf) capacity,
  - 1256 mm (49.5) vertical test space,
  - 3200 mm/min (128 in/min) return speed.
  - 5 kN, 100 N and 10 N load cells

Procedure of Operation
- 1. Mount a test fixture and sensors appropriately
  The test fixture is securely fixed (1: Tension, 2: Compression, 3: Flexure, 4: Extensometer).
- 2. Run the BLUEHILL 3 software
  Bluehill 3 software runs electromechanical systems and implements analyses based on the test results. Click on the Test Button and select the test method.
- 3. Set up a specimen
  Set up a specimen with appropriate grips and close the glass cover door.
- 4. Start testing
  After resetting initial reading to zero, press the START button.

Main Benefits
- Provide a full range of closed-loop machines and fully automated tensile testing.
- Provide both single and double-shear test fixtures.
- Be used to test wires and cables with appropriate gripping and strain measurements.
- Be equipped with Bluehill 3 software that allows fully interactive data analyses even after the completion of testing.

Required Hardware Considerations
- Test capacity: The load required to test a specimen must not exceed the frame capacity.
- Load cell: Loads applied must be between 1~100% of the frame capacity.
- Extensometers: The appropriate type, stroke and gage length capacity must be used.
- Grips and fixtures: The test specimens must be tightly gripped to prevent slippage but not damaged.

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