


**SHIMADZU Compact Tabletop  
Testing Machine EZTest  
EZ-L/EZ-S Series  
Instruction Manual**

**Read this manual thoroughly before starting operation.  
Save this manual for future reference.**

 **SHIMADZU CORPORATION**  
**Analytical & Measuring Instruments Division**

## 1.2 Specifications of EZTest Main Unit

### 1. Basic Specifications

- (1) Rated load capacity: 5 kN / EZ-L, 500 N / EZ-S  
(2) Absolute maximum load capacity: 7.5 kN / EZ-L, 750 N / EZ-S

The above (1) and (2) indicate allowable load capacity of the EZTest main unit.  
If the load cell capacity is smaller than the rated load capacity, the load cell capacity is regarded as the rated load capacity of the testing machine. In this case, the absolute maximum load capacity is 150% of the load cell capacity (total force applied to the load cell).

- (3) Testing space  
Distance between load cell mounting surface and jig mounting surface:  
166 (min.) to 1086 (max.) mm / EZ-L  
159 (min.) to 659 (max.) mm / EZ-S  
Rear clearance from the center of the testing space: 100 mm
- (4) Size  
371 (W) x 538 (D) x 1333 (H) mm / EZ-L  
371 (W) x 538 (D) x 927 (H) mm / EZ-S
- (5) Weight  
Approx. 60 kg / EZ-L  
Approx. 38 kg / EZ-S
- (6) Power supply  
Single-phase 100 V (110 to 120 V, 220 to 230 V, 240 V selectable \*)  
\* Replace the power supply cable according to the operating voltage.  
50 to 60 Hz  
600 VA (Power consumption: 200 VA) / EZ-L  
300 VA (Power consumption: 100 VA) / EZ-S

The above power supply capacity indicates the required capacity including surge current.  
The value in ( ) indicates the rms (root-mean square) value of power consumption. When the power switch is turned ON and the crosshead starts or returns, a rush current flows through the testing machine. Therefore, do not use a circuit breaker with high sensitivity.  
(Reference: Select a circuit breaker whose allowable current for 1 second is not smaller than 300% of the rated sensitivity current.)

- (7) Grounding: Be sure to ground the grounding terminal of the 3-prong power supply plug.  
(Ground resistance: 100  $\Omega$  or less.)
- (8) Operating environment:  
Temperature: 5 to 40°C (Temperature fluctuation during test: Within  $\pm 2^\circ\text{C}$ )  
Humidity: 20 to 80% (No condensation)  
Voltage fluctuation Less than  $\pm 10\%$   
Vibration Less than 5Hz in frequency Less than 5  $\mu\text{m}$  in amplitude