



## Box Compression Tester Model: ADL-BCT01



### Application Range

- Cartons, beer crates, paper tubes, paper cups, color boxes, milk crates, etc.;
- Food and beverage instant noodle packaging, cosmetic packaging, beer packaging, grain and oil packaging, etc.

### Product Function

- Strength test
- Stacking strength test
- Constant value test

### Product Features


- Double precision ball screws and double precision guide rods, stable operation and precise displacement
- ARM processor, 24-bit imported analog-to-digital converter, improve the response speed and test accuracy of the instrument.
- Real-time display of the pressure change curve during the test.
- Sudden power failure data storage function, data before power failure after power-on is retained and testing can be continued.
- Communication with computer software (purchase separately)

### Executive Standard

GB/T 4857.4, GB/T 4857.3, QB/T 1048, ISO 12408, ISO 2234

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### Technical Parameter

Parameter item	Technical index
Power Supply/Motor	10KN : AC100-240V, 50Hz/60Hz 400W /DC stepper motor (Chinese brand) 20KN : AC220V±10% 50Hz 1kW /AC servo motor (Panasonic) 30KN : AC220V±10% 50Hz 1kW /AC servo motor (Panasonic) 50KN : AC220V±10% 50Hz 1.2kW /AC servo motor (Panasonic)
Working Environment	Temperature(10~35)°C, Humidity≤ 85%
Display	7 Inch color touch screen
Measuring range	(0~10)kN/(0~20)kN/(0~30)kN/(0~50)kN
Resolution	1N
Indication accuracy	±1%(Range 5%~100%)
Measured Area	600×600mm/800×800mm/1000×1000mm/1200×1200mm customizable
Work Capacity	600mm/800mm/1000mm/1200mm/1500mm customizable
Press Speed	10mm/min(1~99)mm/min(Arbitrary adjustment)
Parallelism Between Plates	<2:1000 (Example: pressure plate 1000×1000mm, <2mm)
Return Speed	(1~120)mm/min (Stepper motor) or (1~250) mm/min (AC servo motor)
Print	Built-in thermal printer
Communication Interface	RS232(Default) (USB, WIFI optional)
Dimension	According to actual condition

*\*Technical Data Subject to change without notice.*

AdLab is a globally recognized brand specializing in the manufacturing and supply of high-quality laboratory equipment and textile testing instruments. With over 15 years of experience, we are committed to delivering precision-engineered solutions that meet the needs of industries such as textiles, pharmaceuticals, research laboratories, and educational institutions. Our products are designed to enhance efficiency, accuracy, and reliability in scientific and industrial applications.

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At AdLab, we combine expertise in precision engineering with advanced laboratory technology to create innovative and reliable testing instruments. Our team of skilled professionals continuously works on improving product designs, integrating the latest advancements in technology, and ensuring compliance with international quality standards. With a strong focus on research and development, we provide customized solutions that cater to the unique needs of our customers worldwide.

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- ✓ 24/7 Technical Support Team – Our highly trained technical support team is available around the clock to assist with troubleshooting, maintenance, and operational guidance. Whether you need immediate assistance or expert advice, we are always ready to help.
- ✓ Installation & Training – We offer professional installation services and hands-on training to help users operate our equipment efficiently.
- ✓ Calibration & Maintenance – Regular calibration and maintenance services ensure that your laboratory instruments remain accurate and in optimal working condition.
- ✓ Customized Solutions – We provide tailored solutions to meet specific industry requirements, helping our clients achieve maximum efficiency in their operations.

## Global Networks



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