

Electronic Universal Testing Machine

Introduction:

It is a precise equipment used for conducting mechanical performance testing on various materials (such as metals, non-metals, composite materials, etc.). It can simulate various stress conditions including tension, compression, bending, shear, peeling, and tearing, and accurately measure key parameters such as force, displacement, deformation, stress, and strain during the material's stress process. It is widely applied in fields such as material research and development, quality inspection, industrial production, and scientific research experiments.



Features:

- * Real-time curve display: The system offers two display methods for curves: a convenient small curve interface display in the main interface, and a "single graph" large curve interface display.
- * Real-time data display: The system can simultaneously display 4 types of data, namely force value, displacement, deformation, and speed.
- * Overload emergency shutdown device, up and down travel limit device, automatic breakpoint shutdown function.
- * Machine automation: The entire testing process, including measurement, display, and control, is automatically completed by the digital display system. The test results will be automatically archived upon completion.

Technical Parameters:

Model	BK-UTM5						
Max Testing Force	50N	100N	200N	500N	1000N	2000N	5000N
Accuracy Level	Level 1						
Туре	Single-arm structure						
Limit of Allowable Error for	≤±1% of Indication						
Testing Force Indication							
Force Measurement Range	2%~100%FS						
Force Resolution	1/250000 of the maximum test force						
Limit of Indication Error for	≤±1% of Indication						
Displacement							
Minimum Displacement	0.01mm						
Resolution							
Beam Speed Range	0.01~500mm/min						
Relative Error of Beam Speed	≤±1%						
Stretching Distance	700mm						
Power Supply	AC220V, 50/60Hz(Standard); AC110V, 50/60Hz(Optional, external transformer)						
External Size(L*W*H)	420*280*1150mm						
Net Weight	120kg						
Packing Size(L*W*H)	550*600*1600mm						
Gross Weight	135kg						