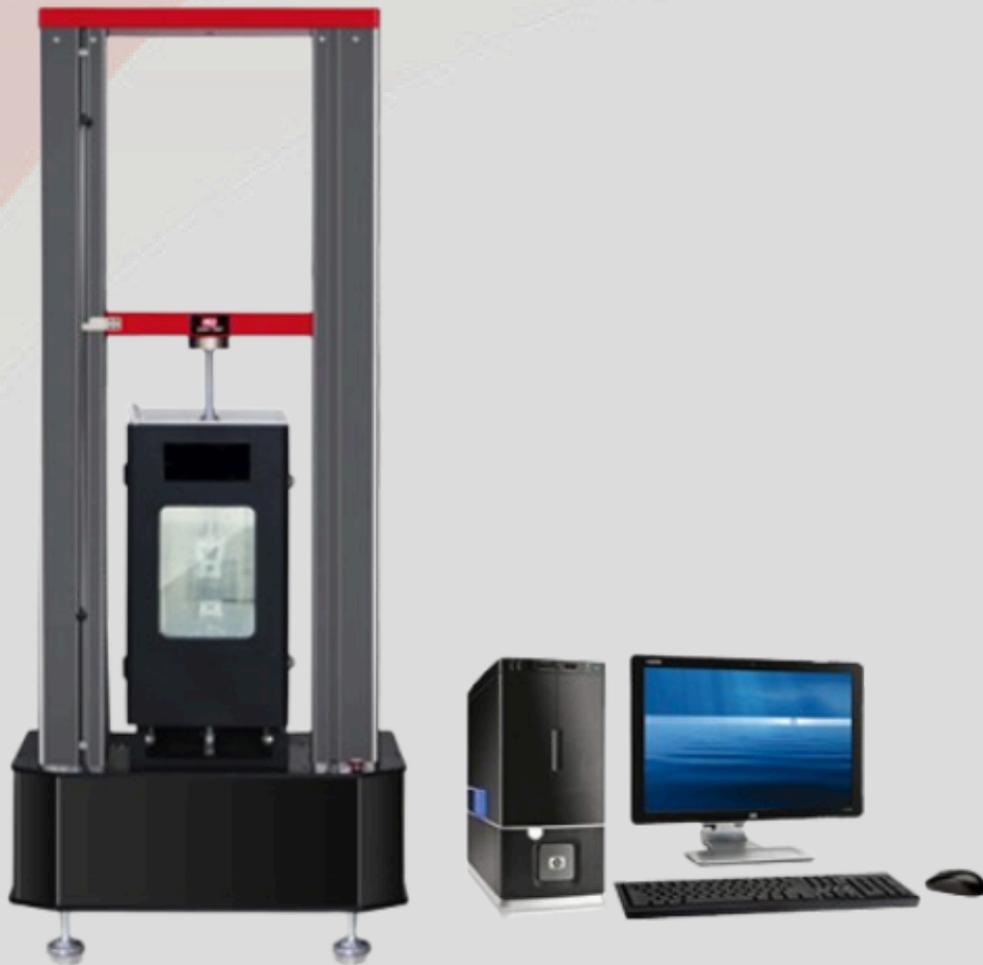


geolometer

ROCK SOLIDLY RELIABLE



GL-ET 104

Microcomputer control high and low temperature universal test machine

PRODUCT APPLICATION

Microcomputer control high and low temperature universal energy test machine is mainly used for the mechanical performance analysis and analysis of metal materials and non-metallic materials tensile, compression, bending, shear, etc., with three closed-loop control methods of stress, strain, displacement, can find the maximum force, tensile strength, bending strength, compression strength, elastic modulus, fracture elongation, yield strength and other parameters. Test and provide data according to GB and ISO, JIS, ASTM, DIN and other international standards.

Can be customized according to customer needs.

Product Specifications

SPECIFICATIONS	GL-ET 104
Maximum test force	50 kN
Accuracy level	Level 1
Test force range	1%–100% FS, continuous (no gear division)
Test force relative error	±0.5%
Test resolution	1/±00000 of max test force (constant)
Deformation range	0.2%–100% FS
Deformation relative error	±0.5% of displayed value
Transfiguration resolution	1/±300,000 of max deformation
Displacement relative error	±0.5% of displayed value
Displacement resolution	0.025 μm
Force control rate range	0.01–5% FS/s
Force control rate relative error	±1% of set value
Deformation rate range	0.02–5% FS/s
Deformation control rate relative error	±1% of set value
Crossbeam speed range	0.01–500 mm/min
Constant control range (force/deformation/displacement)	0.5%–100% FS
Constant control accuracy	<10% FS: ±1%; ≥10% FS: ±0.1%
Effective stretching space	1200 mm (without fixture)
Effective test width	500 mm
Mainframe dimensions	900 × 500 × 2300 mm
Power supply	220V ±10%, 750W
Weight	~300 kg

SPECIFICATIONS	High & Low Temperature Box
Temperature range	-45°C to +150°C
Cooling time	≤ 40 min
Heating time	≤ 70 min
Temperature gradient	≤ 2°C
Temperature fluctuation	≤ ±1°C
Temperature deviation	±2°C (≤150°C)
Temperature display accuracy	≤ 0.1°C
Studio size (D×W×H)	~240 × 200 × 600 mm
Operating environment	Temp: +5°C to +35°C, RH ≤85%, Pressure: 86-106 kPa
Power supply	AC220V ±10%, 50Hz ±0.5
Safety devices	Leakage protection, over-temp protector, fan overheat protection, PID over-temp
Additional features	Observation window, alarm output