

HYS-600S/HYJ-1000S Digital Manhole Cover Compression Testing Machine



Picture is for reference only

1. Main Application

The digital manhole cover pressure testing machine is designed and manufactured according to the industry or national standards of CJ/T3012-1993 《cast iron inspection manhole cover》, CJ/T121-2000 《recycled resin composite material inspection manhole cover》, CJ/T211-2005 《polymer matrix composite inspection manhole cover》, JC889-2001《steel fiber concrete inspection manhole cover》, GB/T 23857-2009 《inspection manhole cover》, CJ/T3012 CJ/T511-2017 《cast iron inspection manhole cover》 etc., for the test of bearing capacity and deformation of manhole cover. Its structural properties meet the requirements of the test code.

2. Features

- 2.1. Mainframe adopts high stiffness structure to ensure the safety during the test.
- 2.2. Liquid crystal display controller, manual oil supply valve, drive hydraulic cylinder, load sensor to detect the test force of the specimen. Stable and reliable performance, accurate data detection.
- 2.3. The high performance load frame of the testing machine. Door force frame, light weight, high stiffness,

smooth operation.

2.4. Hydraulic loading mode is adopted to realize the wide range adjustment of test speed, and the test process is stable and efficient.

2.5. Operation space is large, easy to operate during the test. The cylinder and piston are sealed with special material to achieve high sealing, low friction and long life.

2.6. Select the ultra-precision oil filter to ensure the cleaning of the oil system and ensure the long-term operation of the control actuator.

2.7. Digital display table display, real-time display of current force values, peaks, etc.

3. Main Technical Parameters

Model	HYJ-600S	HYJS-1000S
Max test force (kn)	600	1000
Effective test space(mm)	1200×1200	
Table height(mm)	200	
Force accuracy	±1%	
Max. piston moves speed	80 mm/min	
Maximum compression space	400 mm	
Compression plate size	Φ 360 (GB Standard) or 250 (Europe standard)	
Deformation measuring range (mm)	0-20	
Piston stroke	350 mm	
Power supply	380V/220V 1.5kw	
Mainframe dimensions (length × width × height) (mm)	2400×1200×1400	