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

Product description:

Compression Testing Machine



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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	