



MM-03P small current carrying friction and abrasion

testing machine specification

One.Product Description

This machine is a new generation of abrasion testing machine developed by our company. It can complete the bolt - disk frictional test under a certain pressure of contact surface. The signals of friction force, surface contact voltage, contact current, contact resistance and wear quantity are collected by sensors and sent to computer control system. The computer records and displays the measured parameters and their curve changes in real time. The instrument is mainly used to test the surface tribological properties and mechanism of materials and coatings under the condition of small current carrying.



Reference picture of product appearance



Two、 Specification Data and Configurations

Specification Data
1. Test load: 50~5000g
2. Loading method: weight loading
3. Support mode: single fulcrum (fulcrum adaptive)
4. Main motor power: 400 W
5. Maximum speed: 3000 rpm(servo stepless speed regulation)
6. Friction torque measurement range: 0~1500N.mm ($\pm 0.2\%$ Fs)
7. Friction pairs: pin (bolt)-disk friction
8. Size of friction pin (bolt): $\Phi 3\text{mm} \sim \Phi 5\text{mm}$
9. Sample plate size: $\Phi 45\text{ mm}$
10. Contact point current measurement accuracy: 0.01 mA
11. Contact point voltage measurement accuracy: 0.01 mV
12. Power supply: AC and DC dual power supply, 0 ~ 30V/0~20A
13. Control mode: can achieve speed, time, friction and other combination control
14. Host protection: the host has the test parameters early warning
15. Data processing: real-time monitoring software, real-time data acquisition and processing system correlation curve
16. Dedicated data processing computer: standard configuration

Three. Functions and features:

The testing machine is exquisite equipment, which can realize the form of friction pair: the conventional fixture is pin disc type, and the replacement fixture can realize ball disc, end face and other friction pairs.

The utility model has the advantages of convenient manufacturing, high measuring accuracy, high extension degree of friction pairs, and is an upgraded product in the friction and abrasion testing machine with low load, which is integrated with the innovative technology of Hengxu.

Four. After-sales quality service.



After the formal acceptance of the equipment, the equipment shall be regarded as a formal delivery. The warranty of the equipment is eighteen months from the date of formal delivery. During the warranty, the supplier timely and free repair service for all kinds of malfunctions of the equipment, and timely and free replacement of all kinds of parts caused by non-human. If the equipment exceeds the warranty period, it will fail during the operation. The supplier will serve the ordering party in time, and assist the ordering party to complete the maintenance task.

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