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Scooter dynamic strength testing machine TL-011-Instrument Manufacturer



Description of Products

This machine uses the scooter own electricity to drive the drum, and adds a certain load to the scooter, simulates the actual walking condition of the scooter, detects the power usage and aging of the scooter, and monitors the mileage and real-time speed of the scooter.

Scooter dynamic strength testing machine is a kind of equipment used to test the strength and reliability of scooters.

It helps manufacturers and designers evaluate the durability of scooters in different situations by simulating dynamic loads under real-world usage conditions.

Meet the requirements of EN 13843:2009, EN 13613:2009, EN 14619:2019 and other standards.

Meeting Standards

EN 13843:2009, EN 13613:2009, EN 14619:2019 and other standards.

Technical Parameter:

Model	TL-011
Drum Diameter	700mm±10mm
Drum Speed	0.5m/s±5%
Load	20-100KG adjustable
Test Time	1min-99h
Control System	PLC touch screen controller
Measurement Accuracy	Speed ±1km/h, load ±1kg, time error accuracy 0.1s
Power Source	The motor control system is equipped with fixtures: 90° fixtures 70° fixtures
Stumbling Block	Steel, trapezoidal, size according to EN13843:2009, EN 13613:2009, EN 14619:2019 and other standards
Shutdown Mode	Stop when the number of tests is reached, stop when the equipment is damaged or the amount of deformation is too large, automatically stop and alarm
Add Weight	Scooter durability kit
Power Supply	220V
Size of Machine (L × W × H)	3800 × 1500 × 1900mm
Net Weight	About 600kg

Instrument Characteristics

1. PLC automatic control, through the touch screen can observe all test data.
2. Can accurately record and test the situation in real time, detect the running time, and the cumulative number of times; With touch screen control, all operations can be operated intuitively on the touch screen.
3. The use of special control software can realize multi-channel closed-loop control to complete the test of automatic control, automatic measurement and other functions.
4. The number of tests can be set, and the equipment will automatically stop and alarm after the detection is completed.
5. With stop/power off memory and breakpoint detection and shutdown function; After a sudden power failure, call again, the device can automatically save the data, and run according to the parameters set before the power failure, without the need to manually boot to set the parameters.
6. Shutdown mode: stop when the number of tests is reached, stop when the equipment is damaged or the amount of deformation is too large, automatically stop and alarm
7. The equipment has a fault self-diagnosis system, and the equipment fault is automatically diagnosed and the fault code is displayed, which is convenient for checking and troubleshooting.