

Friction Testing Device – RPG

EN ISO 8295



SCOPE OF DELIVERY

Friction testing device
Load weight
Software Friction Tester, MCC-DAQ
Operation manual

DIMENSIONS

Dimensions W x H x D: 475 x 321 x 250 mm
Weight: approx. 20 kg

SUPPLIES

Electrical current 100...230 VAC 50/60 Hz, 150 VA

OPTIONAL ACCESSORY

Notebook, Windows 10 Professional,
pre-installed device software
Heating plate for heating the measuring carriage up to 80 °C

SCOPE

The device is used to test the friction behavior of two friction partners that are moved relative to each other. The test can be performed according to EN ISO 8295 (Plastics - Films and sheets - Determination of coefficients of friction) and is primarily used for quality control.

PRINCIPLE

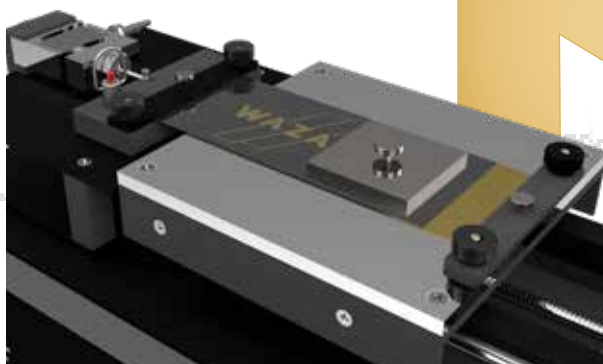
For the test, the lower specimen - in case of testing against metal, a corresponding metal surface - is fixed on the specimen carriage. The holding device, which is connected to a force measuring device via a spring, holds the second, upper specimen. A surface pressure is generated in the friction couple via a weight specified by the corresponding test standard.

During the measurement, the specimen carriage is moved at a defined feed rate (100 mm / min) against the resistance of the friction pairing, and the magnitude of the generated frictional force is registered via the force measuring device. The measuring path is approx. 60 mm. The feed rate can be set between 5 - 300 mm / min in the software before the measurement.

The device can be configured in such a way that both the static and the dynamic coefficient of friction can be determined.

FEATURES

Electrical movement of the specimen carriage.
Device control and measurement data recording by device software



* Our products are constantly evolving. For this reason, the actual dimensions may differ.

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