

# T-07 DRY SAND ABRASIVE TRIBOTESTER

## TECHNICAL CHARACTERISTIC

T-07 Dry Sand Abrasive Tribotester is intended for determining – according to the GOST 23.208-79 standard – the resistance of engineering materials to scratching abrasion during friction in the presence of a dry abrasive.

The test involves the abrading of the test specimen (plate), made of the tested material, with the abrasive that is introduced between the plate and the rotating wheel (roller) having a rubber rim. The plate is pressed at the specified force against the wheel rotating at the defined speed. Abrasive particles are fed by gravity to the contact zone. The test consists of on the fact that in the same operating conditions (speed and load) friction is made of the samples made of test and reference material, with abrasive particles administered to the contact zone and performs the measurement and comparison of mass consumption of samples – reference and of the test material.

T-07 Dry Sand Abrasive Tribotester is equipped with the controller shutting off the motor of the tribotester after the preset sliding distance (number of wheel revolutions) is reached.



## TECHNICAL SPECIFICATIONS

▶ type of movement	sliding
▶ nominal rubber rim diameter	50 mm
▶ nominal test plate dimensions	30 x 30 mm
▶ rotating speed	60 rpm
▶ run-in normal load	22 N
▶ test normal load	44 N
▶ run duration	10 to 60 mins (600 to 3600 rev.) depending on test material hardness
▶ abrasive	alumina
▶ tribotester dimensions (W x H x D)	360 x 440 x 250 mm
▶ tribotester weight	25 kg
▶ power supply	230 V / 50 Hz
▶ max. power consumption	0.2 kVA

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