

COF-03 Incline plane coefficient of friction tester

Incline plane coefficient of friction tester measures the static coefficient of friction of various materials using a variable inclined plane and a sliding block. It measures the static COF of plastic films, sheets, rubber, paper, board, woven , fabrics, wood, coatings, brake pads, etc.

Principle:

The static COF is measured by the angle at which one test surface begins to slide against another inclined surface as the incline is increased at a constant and preset rate. The test result is numerically equivalent to the tangent of that angle.

Standards: ASTM D202, ASTM D4918, TAPPI T815

Features

- PLC control and HMI touch screen operated
- Real time display of max, min, average and SD of test result
- In accordance with multiple international standards
- Both angel and static COF (tangent value) can be measured
- Microprint of easy printing of test result
- RS232 and profession software (optional)

Technical Specification

Angle range $0^{\circ} \sim 60^{\circ}$

Accuracy 0.01°

Stroke $0.1^{\circ}/s \sim 10.0^{\circ}/s$

Sled 200g, 235g, or 1300g(choose one or others)



The screen display is as follows

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Main

Parameter

Test

Calibration

Contact



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Parameter

Num.

0

Speed

0.0

°/s



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Test

Angle

0.00°

Num.

0

0

Max.=

0.000



P1

Us=

0.000

Aver.=

0.000



P2

SD=

0.000

Min.=

0.000

Test

Print

D_R



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