

Portable Friction Meter

3D Muse

This Latest Muse Allows Measurement of Walls and Ceilings



Seeking an Ease of Holding Appropriate
for Various Types of Measurement at
All Heights and Angles

Using the Portable Friction Meter 3D Muse, which
does not require operators to have special skills or
experience, anyone can easily measure the static
friction coefficient between objects.
From plane indoor surfaces to sloping surfaces,
walls, ceilings, and even outdoors, this portable
instrument allows friction measurement anywhere.

Because the photograph shows a prototype version, the product may be different in appearance.

World's First

Portable Friction Meter

TYPE:94i-II

Measurement can be Carried out Easily over a Wide Range

The Muse Type: 94i-II is a portable measuring instrument that can easily be used by anyone to
measure the static friction coefficient between objects.

Previously, methods of measuring static friction generally used incline methods and strain gages,
and their use was limited to locations such as laboratories. The inability to make measurements
on-site was a weak point of these methods.

This unique instrument is offered as a “new static friction measurement method” that solves all of
the above problems at once.



On-site Measurement allows Measured Values to be Used for Convincing and Satisfying Customers

The instrument's portable size makes it convenient for carrying around. For example, it can be used at construction sites while customers are present to describe in figures the difference of two wall materials by measuring the static frictions of the materials.

Because the tactile sensation of cosmetics and pharmaceuticals can be measured on-site to convince customers of the differences from other companies' products, the instrument will also be convenient for use as a sales tool in the manufacturing and distribution industries.

Accumulation of Data

The differences from other companies' products, such as the "touching sensation" and "moistness" can be easily measured, even by persons with no previous experience.

The instrument can also be conveniently used in laboratories for data collection in proposals for smaller-scale projects, and in creating proposals for new products.

Main Specifications

	TYPE:37
Measurement Range	Static Friction Coefficient 0.000-1.300
Display Resolution	0.001
Power Supply	Alkali Dry Cell Batteries (SUM-3 (AA) Size x 4)
Dimensions	Main Unit: W140mm×D42mm×H139mm
Standard Accessories	Slider, Alkali Dry Cell Batteries, Carrying Case, Operation Manual
Options	Exclusive AC Adaptor, PC Connection Kit



Average button



Multiple measurements of the same object are memorized, and the number of measurements and the average static friction coefficient are displayed.

The specification using SUM-3 (AA) dry cell batteries allows measurement to be quickly made in any location.



The static friction coefficient between the slider (contact maker) provided in the main unit and the test sample is displayed. In the measurement, the operator needs only to place the main unit on the test sample and press the button. Operation is simple, and there are no differences in measurement due to individuals. Fabrics and films can be attached to the slider.



World's First Portable Friction Meter

- Measurements by Anyone, Anywhere
- Measurement can be Carried out Easily over a Wide Range
- Possible to Transfer Data from the Built-in Memory to a PC

Main Specifications

	TYPE:94I-II
Measurement Range	Static Friction Coefficient 0.000-1.300
Display Resolution	0.001
Detector	VCM Photo Sensor
Display	7 Segment Red Color LED 4 Digits
Slider	Brass (Hard Chrome Finish) 40g
Power Supply	Alkali Dry Cell Batteries (SUM-3 (AA) x 4)
Dimensions	Main Unit: W188mm×D62mm×H64mm
Standard Accessories	Slider, Alkali Dry Cell Batteries, Slider Holder, Carrying Case, Screwdriver, O-ring, Operation Manual
Options	Exclusive AC Adaptor, PC Connection Kit, 6 Point Ball Holder, Rubber Slider

The sample object can be any material, including metal, glass, textiles, plastic, wood, cosmetics, and paper.

It is also possible to use an AC adaptor (option) to power the instrument.

Using the PC Connection Kit (Option), it is possible to read the data into a personal computer.