

Portable Friction Meter

TYPE: 37i / 94i- II

3D MUSE TYPE: 37i

Capable of measurements on a wall or ceiling



The world's first

Applications (examples)

- Wear measurements on floor surface
- Smoothness measurement of chemicals and cosmetics
- Friction measurements on various components (e.g. conveyor, roller, etc.) on a production line
- Friction measurements on papers, films, clothes, etc.
- Other sample measurements that cannot be made with a desk-top tester

HEIDON TRIBOGEAR Muse and 3D Muse are portable meters that allows anyone to easily measure a static friction coefficient. Conventionally, static friction is measured by the gradient method or using a strain gauge; however, these methods may cause decreased on-site work efficiency. The 3D Muse has been developed as the world's first portable friction meter that solves those issues.

MUSE TYPE: 94i- II

Capable of easy and wider variety of measurements



The friction meter stores several measured values in its memory and displays the measurement count and average static friction coefficient. The measurement starts by simply placing it on an object to be tested and pressing a switch, eliminating variations of result depending on the operator. Powered by AA size battery cells, the tester makes an measurement quickly and anywhere.



The static friction coefficient between the slider (contact) provided in the main unit and the test sample is

Key Specifications

Measuring range	Static friction coefficient: 0.000 to 1.600	Static friction coefficient: 0.000 to 1.300
Display resolution	0.001	
Detector	VCM photo sensor	
Display	7-segment red LED (4 digits)	
Slider	Brass (hard chrome finish) 40g	
Power supply	Alkaline batteries (four AA size cells) or AC adapter	
Dimensions	W: 188mm x D: 62mm x H: 64mm	W: 140mm x D: 56mm x H: 140mm
Accessories	Slider, alkaline batteries, slider holder, carrying case, Phillips-head screwdriver, and O-ring	
Option	AC adapter, PC connection kit, 6-point ball slider, and rubber slider	AC adapter and PC connection kit



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