

Tactile Meter

TYPE: 33



Applications (examples)

- Evaluation of comfort in writing/erasing with writing materials (e.g. pens, pencils, erasers) and pressures in use
- Smooth texture of cosmetics and chemicals, and their absorption to skin
- Evaluation of texture of papers
- Other evaluation concerning feeling

With the tactile meter, it is possible to numerically express texture, feeling, and absorption to skin, which have been difficult to quantify. Equipped with three strain gauges, the meter detects resistance in X, Y, and Z directions. It is operated by simply loading a sample on the test sample table and stroke it with your fingertip or a tool. Making a measurement with this meter is very easy. Further, using a handy probe, samples that cannot be loaded on the table can also be measured.



Key Specifications

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Dimensions of test sample table	100mm x 100mm	
Measuring range	0 to 20N (in each axis direction) X, Y, and Z directions	
Dynamic strain amplifier	Zero-point adjustment range:	±0.5V/V (multi-turn potentiometer)
	Analog output	±5V
	Non-linearity	0.01% F.S. ±1 digit
	Zero drift	0.01% F.S./°C ±1 digit
	Sensitivity variation	0.01% F.S./°C ±1 digit
Operating environment	0 to 50°C, 85% RH or less (non-condensing)	
Power supply	AC100V, 50/60Hz	
Body dimensions	Measurement unit	W: 102mm x D: 150mm x H: 110mm (excluding a fixing plate [W: 200mm x D: 200mm])
	Amplifier unit	W: 160mm x D: 250mm x H: 327mm (excluding protruding portions)

Accessories

■ Power supply cord: 1 (2P-E, 2 meters) ■ Operation manual: 1

* Handy probe and dedicated software "TriboTouch" are optional.

