

FOR YOUR BEST QUALITY
CONTROL WITH THE ADVANCED
MEASURING TOOL



Industry Standard for handheld devices

TESLA METER TM-801



Large improvement of performance! And keeping the usability of TM-701!

We have sold 15,000 pcs. of Tesla Meter TM-701 for about 6 years. We studied the demand of customers in those 6 years and refined it. Tesla Meter TM-801 is following TM-701 with major improvements.

Specifications and main features (for the comparison with previous model TM-701.)

The wide expanded range of measuring!

- Mode Accuracy of high resolution for measurement on DC magnetic flux density, is now improved.
- Range covering frequency for measuring AC magnetic flux density is expanded.(40 ~ 500Hz)

Max.160 hours of operating time & high speed sampling!

- Sampling speed is improved 1.5 times when measuring in the hold mode.
- Measuring time increases 20% for continuous operation with alkali batteries.
- Tesla Meter can be operated with batteries, chargeable batteries and AC power supply.

Simple operation with your PC!

- Measured data is now read by your computer with outer digital output though USB.
- New free sample software is newly produced to respond with Windows XP/7/8.



[Application]

- Measurement of residual magnetism in machined parts, in stamped parts, and in demagnetized parts.
- Measurement of magnetic flux in magnets and magnetism applied products.
- Measurement of magnetic flux of motors.
- Measurement of properties of magnetic materials.

Reliability

- Measured data is now "mT" exclusively in compliance with the unit specified by the Measurement Law.



INPUT TERMINAL FOR
AC POWER SUPPLY



INPUT TERMINAL FOR USB

Please refer to the back side...

TM-801 Features

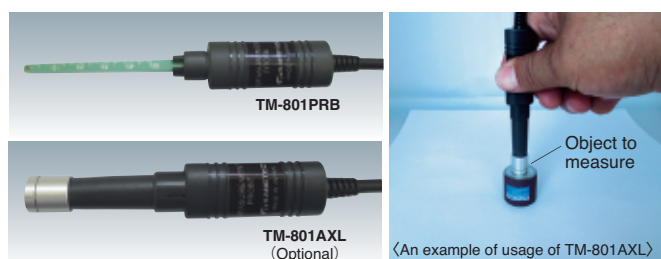
					[mm(in)]		
Model	TM-801				Function	Zero reset Max. detect value hold	Polarity indication Auto power off (can be canceled)
Detecting Contents	DC magnetic flux density Polarities (N, S)		AC magnetic flux density (40~500Hz)		Output	USB communication port /output(analog)	
Measuring	mT				Mode	Detection value Polarity	Numeric value(digital) Alphabets (N/S)
Indication Range	0—3000.0mT				Operating Temperature	0—+40°C (104° F)	
Measuring Mode	Measuring mode	Measuring range	Resolution	Indication accuracy	Power Source	Battery SUM-3 (1.5 V) × 4 pieces DC5-6V adapter input/ USB	
	Measuring Range	DC × 1*	0— 200.0 mT 200.1—3000.0 mT	0.1 mT 1 mT	± (5% of rdg.+ 3digit) ± (5% of rdg.+10digit)	Dimensions	Height 140 (5.51) × width 64 (2.51) × thickness 30 (1.18)
Resolution		DC × 10	0— 300.00mT	0.01mT	± (3% of rdg.+ 5digit)	Mass	Approx. 250 g/0.55 lb (including batteries and probe)
	Indication Accuracy	AC*	0— 150.00mT 150.1— 300.0 mT 301.0—1500.00mT	0.01mT 0.1 mT 1 mT	± (5% of rdg.+20digit)	Accessories	Probe, batteries and carrying case
					Option	Axial probe (TM-801AXL) Reference magnetic field for Tesla Meter(TM-SMF)	

* The measuring ranges are automatically selected.

Note: This product is not designed for measurement of electromagnetic waves.

Option / Accessories

Model TM MEASUREMENT PROBE FOR TESLA METER



● A probe dedicated to TM-801. Please keep this probe as a spare; it can be replaced without troublesome calibration. In addition to the standard PRB (transverse type), an axial type (AXL) capable of measurement in the vertical direction and having higher durability is optionally available.

Model	Applicable Model	Tip Dimensions	Cord Length	Mass
TM-801PRB	※	(T)1.0(0.03)×(W)3.5(0.13)×(L)65(2.55)φ13×55	1000 (39.3)	50g/0.11 lb (including probe cap)
TM-801AXL	Only for TM-801	φ13 (0.51) × 55 (2.16)		

※ Can be used with Kanetec's conventional TM-501, TM601 and TM-701.

Model TM-SMF REFERENCE MAGNETIC FIELD FOR TESLA METER

For calibration or daily check of the Tesla meter



[Application]

- Daily check of the Tesla meter.
- Calibration of the Tesla meter.

[Features]

- The closed circuit construction employing a permanent magnet that causes less magnetic force leak.
- Small and light weight.
- Usable with Kanetec TM-201 and above.

[mm(in)]

Model	Magunetic Flux Density*	Dimensions		Mass
		Frame Dia.	Height	
TM-SMF- 003	3mT		50(1.96)	Approx. 0.2kg/0.44 lb
TM-SMF- 050	50mT	φ 43(1.69)	40(1.57)	
TM-SMF- 300	300mT		30(1.18)	Approx. 0.1kg/0.22 lb
TM-SMF-1000	1000mT	φ 73(2.87)	74(2.91)	Approx. 2.0kg/4.4 lb

* Can be used with Kanetec's conventional TM-501, TM-601 and TM-701.

※ In case reference magnetic field corresponding to Axial type probe TM-801AXL is required, please consult with us.

Model PC MAGNETIC POLARITY CHECKER



Easy check of residual magnetic flux density, and N or S magnet polarity!

[Application]

In addition to selecting magnetic material, or to confirm the magnetic pole when magnet is installed, it can be used as an easy checker for residual magnetic flux density level on processed products.

[Features]

- Card size thickness, 6mm only. Convenient to have with you.
 - Audio tone and LED lights
N Pole (red LED) tone sounds in a short continuous note.
S Pole (blue LED) tone sounds in a longer continuous note
 - It detects magnetic flux density of more than 1mT so it can be used for simple confirmation of demagnetized results.
- ※ for precise measurement of magnetic flux density, please use TM-801 Tesla Meter

[mm(in)]

Model	Dimintions	Distinction Accuracy	Indication Lamp	Battery	Mass	Accessories
PC-10	55(2.16)×85(3.34)×t6(0.23)	N / S Approx. 1mT or more	N pole (Red LED) S pole (Blue LED)	CR2025 Button battery (included)	25g/0.055 lb	soft case



INTERNATIONAL DEPARTMENT

No.2-9, 3-Chome, Iwamoto-cho, Chiyoda-ku,
Tokyo 101-0032 Japan
TEL : +81-3-5823-7013 FAX : +81-3-5823-7018
Web site : http://www.kanetec.co.jp
E-mail : kokusai.01@kanetec.co.jp

※ The products listed in this catalog are subject to change in models, appearance and specifications without notice.