

Model TM TESLA METER

Industry Standard for handheld devices

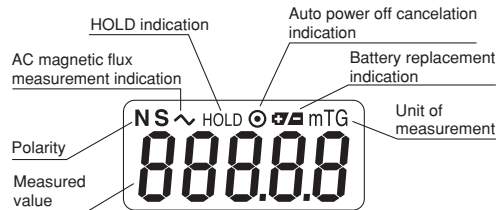
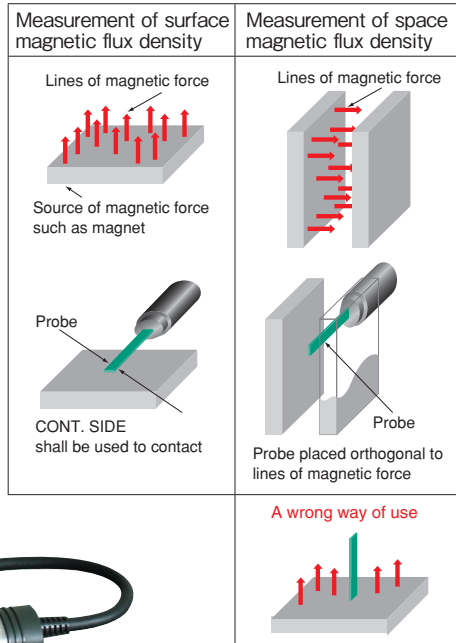
Meter in Compliance with New Measurement Law

Measuring data output function incorporated

3T (300G) Corresponding for



TM-701



The TESLA meter is a practical, handy type Gaussmeter having digital display that has been developed based on KANETEC's long experience and achievements in the manufacture of magnetism-applied products.

From the user's point of view, this meter is designed for easy use by anyone by incorporating frequently used functions only.

The external output terminal is also provided to enable digital or analog outputs. Further, the probe has been made smaller for measurement in smaller space.

[Application]

- Measurement of residual magnetism in machined workpieces.
- Measurement of magnetic flux in magnetism-applied products.
- Measurement of magnetic flux of motors.
- Measurement of properties of magnetic materials.

[Features]

- A wide range of measuring range from 0 to 3000 mT (0 — 30,000 G). (DC)
- The battery life has been increased by about 30%.
- The rigidity of the probe has been increased.
- The meter can be operated with a chargeable battery also.
- By connecting an optional cable (TM-601DTC) to the external output terminal, digital (analog possible) data can be transferred to a PC.
- The alternate magnetic flux density, in addition to direct magnetic flux density, can be measured. (50/60 Hz)
- The high resolution measuring mode ensures more accurate measurement. (Resolution 0.01 mT = 0.1 G)
- The unit of display can be changed over between "mT" and "G".
- High dustproof by use of sheet keys.
- The auto power off function prevents useless waste of the battery.
- When the probe has been worn out, it can be replaced with a new one without troublesome calibration. (Optional)

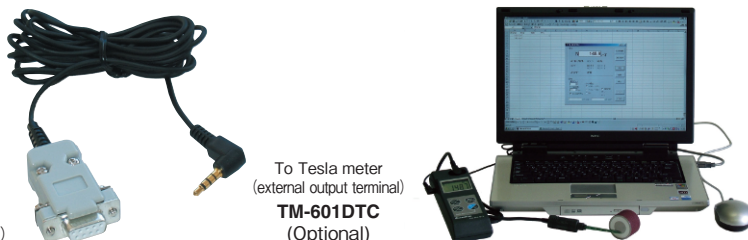
(1mT=10G)

Model	TM-701				Function	Zero reset	Polarity indication
Detecting Contents	DC magnetic flux density		AC magnetic flux density		Display	Max. detect value hold	Auto power off (can be canceled)
	Polarities (N, S)		(50 / 60Hz)			LCD	
Measuring	mT/G selection		IT=10000G		Mode	Detection value	Numeric value (digital)
						Polarity	Alphabets (N/S)
Indication Range	0—3000.00mT				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	
Measuring Range	DC × 1*	0— 200.0 mT	0.1 mT	± (5% of rdg.+ 3digit)	Dimensions	Height 140mm (5.51) × width 64 (2.51) mm × thickness 30 (1.18) mm	
		200.1—3000.0 mT	1 mT	± (5% of rdg.+ 10digit)			
Resolution	DC × 10	0— 300.00mT	0.01mT	± (5% of rdg.+ 5digit)	Mass	Approx. 250 g/0.55 lb (including batteries and probe)	
		0— 200.0 mT	0.1 mT				
Indication Accuracy	AC × 1*	200.1—1500.0 mT	1 mT	± (5% of rdg.+ 20digit)	Accessories	Probe, batteries and carrying case	
		0— 150.00mT	0.01mT				
	AC × 10	0— 150.00mT	0.01mT		Option	Digital output cable (TM-601DTC) Axial probe (TM-701AXL)	

※ The measuring ranges are automatically selected.

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

Model TM DIGITAL SIGNAL OUTPUT CABLE FOR TESLA METER



[Application]

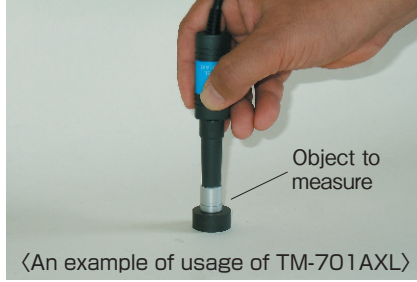
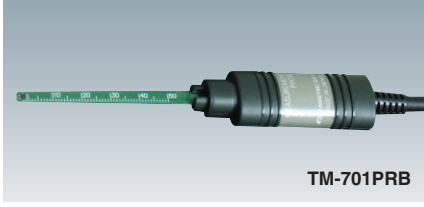
Optional cable connects the TM-701 Tesla Meter to a PC for recording of data.

[Features]

- Monitor and record measured data to PC.
- Data can be shown in excel spreadsheet form
- Free Sample programs can be downloaded from our Kanetec home page

MAGNETIC TOOLS FOR WELDING OPERATION
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MAGBORO
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Model TM MEASUREMENT PROBE FOR TESLA METER



- A probe dedicated to TM-701. 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.

[mm (in)]					
Model	Applicable Model	Tip Dimensions		Cord Length	Mass
TM-701PRB	Only for TM-701 *	(T) 1.0 (0.03) × (W) 3.5 (0.13) × (L) 65 (2.55)	1000 (39.3)	50g/0.11 lb (Including probe cap)	
TM-701AXL		φ13 (0.51) × 55 (2.16)			

※ Can be used with Kanetec,s conventional TM-501 and TM-601.

Model TM REFERENCE MAGNETIC FIELD FOR TESLA METER

For calibration or dailycheck 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.



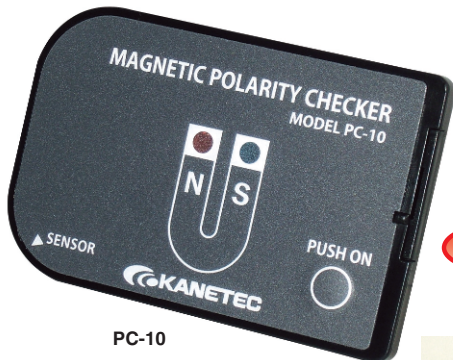
[mm (in)]				
Model	Magnetic Flux Density *	Dimensions		Mass
		Frame Dia	Height	
TM-SMF- 003	0.003T (30G)	φ43 (1.69)	50 (1.96)	Approx. 0.2kg/0.44 lb
TM-SMF- 050	0.05 T (500G)		40 (1.57)	
TM-SMF- 300	0.3 T (3000G)	φ73 (2.87)	30 (1.18)	Approx. 0.1kg/0.22 lb
TM-SMF-1000	1 T (10000G)		74 (2.91)	

※ Can be used with Kanetec,s conventional TM-501 and TM-601.

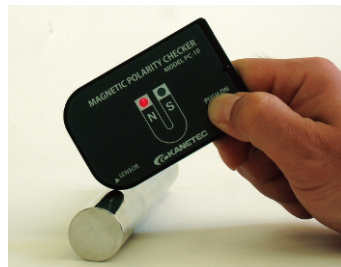
※ In case reference magnetic field corresponding to Axial type probe TM-701AXL is required, please consult with us.

Model PC MAGNETIC POLARITY CHECKER

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



NEW



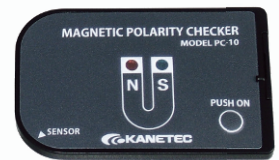
[Application]

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 (10G) so it can be used for simple confirmation of demagnetized results.

※ for precise measurement of magnetic flux density, please use TM-701 Tesla Meter



[mm (in)]

Model	Dimensions	Distinction Accuracy	Indication Lamp	Battery	Mass	Accessories
PC-10	55 (2.16) × 85 (3.34) × 16 (0.23)	N / S Approx. 1mT (10G) or more	N pole (Red LED) S pole (Blue LED)	CR2025 Button battery (included)	25g/0.055 lb	soft case