## Model TM TESLA METER

# Significant improvement of performance while keeping usability of TM-701! New industry standard of handy type





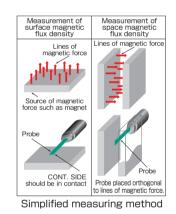
USB cable connection port

TM-801EXP

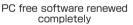
The Tesla Meter is a practical, handy type Gauss meter having digital display that has been developed based on KANETEC's long experience and achievements in the manufacture of magnetism-applied products. To satisfy the user's needs, this meter has been designed for easy use by anyone by incorporating frequently used functions only. [Application]

- Measurement of residual magnetism in machined workpieces.
- Measurement of magnetic flux density in magnetism-applied products.
- Measurement of magnetic flux density of motors.
- Measurement of properties of magnetic materials.
- [Features]
  - ●A wide measuring range from 0 to 3000 mT. (DC)
  - In addition to DC magnetic flux density, AC magnetic flux density can be measured. •The high resolution measuring mode ensures highly accurate measurement.
    - (Resolution 0.01 mT = 0.1 G)
  - The use of sheet keys ensures high dustproof performance.
  - The auto power off function prevents useless consumption of the battery.
  - When the probe has been worn out, it can be replaced with a new one without troublesome calibration. (Optional)

A calibration certificate (manufacturer calibration or JCSS calibration) is issued upon request. (Charged)









Simple and easy-to-read display

### Specifications (1mT = 10G)Polarity judgment Zero reset Model TM-801EXP Function Max. detect value hold Auto power off (Cancellable) DC magnetic flux density AC magnetic flux density Object to detect Output 40 - 500 Hz Digital output (USB) / Analog output Polarities (N, S) Detected value Digital Unit of measurement mT/G selection Indication Alphabets (N/S) Polarity 0-3000.0mT Measurement range Operating temperature 0-+40°C (104° F) Neasuremer ·Battery: Size AA (1.5 V)×4 pieces Indication accuracy\*1 Resolution Measuring range Power source •External power source 5 - 6 VDC (AC adapter/USB feed) mode Measurement mode 0- 200.0 mT 0.1 mT $\pm$ (5% of rdg. + 3digit) Dimensions 140(5.51) mm high × 64(2.51) mm wide × 30(1.18) mm thick DCX 1\* Measuring range 200.1-3000.0 mT 1 mТ $\pm$ (5% of rdg.+10digit) Mass Approx. 250 g/0.55 lb (batteries & probe included) DC×10 0- 300.00mT 0.01mT $\pm$ (3% of rdg.+ 5digit) Resolution 0- 150.00mT 0.01mT Accessories Probe, batteries, carrying case Indication accuracy AC<sup>8</sup> 150.1- 300.0 mT 0.1 mT $\pm$ (5% of rdg. $\pm$ 20digit) Axial probe (TM-801 AXL Optional 301.0-1500.0 mT Reference magnetic field (TM-SMF, TM-AMF) mТ The measuring range is automatically selected. Note: This meter is not designed for measurement of electromagnetic waves

\*1 The indication accuracy ±(5% of red. + 3 digits) is ±(5% of indicated value + 3 × resolution). "digit" = Resolution Example: Measurement mode DC × 1, indicated value 123.5 mT (Measuring range 0 - 200 mT, resolution 0.1 mT) ±(123.5 × 0.05 + 3 × 0.1) = ±6.475 mT \Rightarrow ±6.5 mT Accuracy range is 117.0 - 130.0 mT

# Features of TM-801EXP (compared with TM-701)

CANETED

### Wider measuring range

·High resolution mode accuracy in measurement of DC magnetic flux density improved.

•Frequency covering range in measurement of AC magnetic flux density expanded. (40 - 500 Hz)

### Max. 160 hours of continuous operation and high-speed sampling

Sampling speed in HOLD mode increased by 1.5 times.

·Continuous operation time by use of a battery improved by 20% (130 hours → 160 hours).

·3-way power supply usable: battery, AC adapter and USB feed.

### PC operation simpler and more useful

·Digital output of measured data to PC by use of USB. ·Measurement commands controllable from PC by use of USB. PC free sample software renewed completely.

FOR WELDING OPERATION

LIFTING

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suppor

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\*For precise measurement of the magnetic flux density, please use the Tesla Meter.

Model	Dimentions	Judging Capacity	Indication Lamp	Battery	Mass	Accessory	
PC-10	55(2.16)×85(3.34)×t6(0.23)	N/S approx. 1 mT (10 G) or over	N pole(Red LED) S pole(Blue LED)	CR2025 Button battery (included)	25g/0.055 lb	Exclusive soft case	

[mm(in)]