

# Sanitary Magnet Guide

Food

Chemical

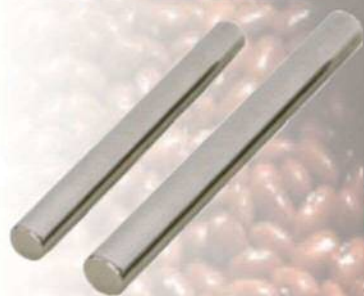
Medicine

Cosmetics

Feed and  
fertilizer

Glass

Ceramics



 **KANETEC**

<http://www.kanetec.co.jp>



# POWERFUL MAGNETIC SEPARATORS

An example of flow of removing magnetized foreign matter

Rectangular grid type magnetic bar unit  
Model PCMG



**Beverages** Juice, coffee, dairy products, tea  
**Seasoning powder** Red pepper, powder wasabi, flavored rice sprinkles  
**Seasoning liquid** Miso, soy source, soup  
**Candy raw materials/Medicine/Chemicals/Glass**

Round grid type magnetic bar unit  
Model PCMG-C



Magnetic pipe  
Model PCMP



**Seasoning powder** Red pepper, powder wasabi, flavored rice sprinkles  
**Medicine/Cosmetics/Plastic pellets**

Magnetic filter  
Model PCMH2



**Beverages** Juice, coffee, dairy products, tea  
**Seasoning liquid** Miso, soy source, soup

L-type magnetic filter  
Model PCML



**Beverages** Juice, coffee, dairy products, tea  
**Seasoning liquid** Miso, soy source, soup

Straight type magnetic filter  
Model PCMS













**Beverages** Juice, coffee, dairy products, tea  
**Seasoning liquid** Miso, soy source, soup

Other models are also available upon request.

## For powder and granular materials

 <p><b>PCMG-2530</b> Candy raw materials, Coffee beans, etc.</p>	 <p><b>PCMG-C25</b> Pickled vegetables, Tablets, etc.</p>	 <p><b>PCMG-C20A</b> Soybeans, Peppers, Powder soap</p>	 <p><b>PCMG-AC15</b> Frying flour, Powder milk, etc.</p>	 <p><b>PCMG-A1611W-S</b> Dry granules</p>
 <p><b>PCMG-A2323</b> Adzuki beans, Chemicals, etc.</p>	 <p><b>PCMG-A1212-S</b> Spices, Sesame, Buck wheat flour</p>	 <p><b>PCMG-T2020W</b> Starch, soap, Plastic pellets</p>	 <p><b>PCMG-U2525M-S</b> Baked salt</p>	 <p><b>PCMG-A7530-S</b> Boiled beans, Sugar materials- on conveyor, etc.</p>
 <p><b>GPM</b> Konjak flour, Grape sugar powder, etc.</p>	 <p><b>PCMP-150W-S</b> Wheat flour, Potato starch, Feed</p>	 <p><b>PCMP-US200W-S</b> Wheat flour</p>	 <p><b>PCMP-300</b> Spice materials, Gunpowder, Chemicals</p>	 <p><b>PCMP-AR1222</b> Curry powder, Powder wasabi, etc.</p>

## For liquid and viscous materials

 <p><b>PCMH-25</b> Juice, Miso, Minced meat</p>	 <p><b>PCMH2-UD30-S</b> Wheats flour</p>	 <p><b>PCML-10-S</b> Honey, Chili oil, Fermentend soybean- tare</p>	 <p><b>PCML-15</b> Ketchup, Sausage, etc.</p>	 <p><b>PCMS-T15</b> Mayonnaise, Paste, Steak sauce</p>
 <p><b>PCMY</b> Noodle soap, Sauce, Syrup</p>	 <p><b>PCMH-T15</b> Curry roux, Jam, Doubanjiang</p>	 <p><b>PCMH-A100-S</b> Pulp liquid</p>	 <p><b>PCMH-T20</b> Juice containing- flesh fruit, Miso, etc.</p>	 <p><b>PCMF</b> Chocolate, Cream</p>

# MEASURING INSTRUMENTS

## Model TM TESLA METER

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



### [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.

3T (30 kg) supported



AC adapter connection port



USB cable connection port

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

#### 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.



### TM-801EXP Major Specifications

Model		TM-801EXP		Function	Zero reset	Polarity judgment
Object to detect	DC magnetic flux density Polarities (N, S)	AC magnetic flux density 40 - 500 Hz		Max. detect value hold	Auto power off (Cancellable)	
Unit of measurement	mT/G selection			Output	Digital output (USB) / Analog output	
Measurement range	0-3000.0mT			Indication	Detected value	Digital
Measurement mode	Measurement mode	Measuring range	Resolution	Indication accuracy*	Operating temperature	Alphabets (N/S)
	DC × 1*	0 - 200.0 mT	0.1 mT	± (5% of rdg. + 3digit)	0 - +40°C (104°F)	
Measuring range	DC × 10	200.1 - 3000.0 mT	1 mT	± (5% of rdg. + 10digit)	Power source	
		0 - 300.00mT	0.01mT	± (3% of rdg. + 5digit)	● Battery: Size AA (1.5 V) × 4 pieces	
Resolution	DC × 10	0 - 300.00mT	0.01mT	± (3% of rdg. + 5digit)	● External power source 5 - 6 VDC (AC adapter/USB feed)	
Indication accuracy	AC*	150.1 - 300.0 mT	0.1 mT	± (5% of rdg. + 20digit)	Dimensions	
		301.0 - 1500.0mT	1 mT	± (5% of rdg. + 20digit)	140 (5.51)mm high × 64 (2.51)mm wide × 30 (1.18)mm thick	
				Mass	Approx. 250 g/0.55 lb (batteries & probe included)	
				Accessories	Probe, batteries, carrying case	
				Optional	Axial probe (TM-801 AXL) Reference magnetic field (TM-SMF, TM-AMF)	

\*The measuring range is automatically selected. Note: This meter is not designed for measurement of electromagnetic waves.

\*1 The indication accuracy ±(5% of rdg. + 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 ≈ ±6.5 mT Accuracy range is 117.0 - 130.0 mT

## Model TM PROBE FOR TESLA METER



- 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 vertical measurement and having high durability is optionally available.

Model	Applicable Meter	Tip Dimensions	Cord Length	Mass
TM-801PRB	TM-801EXP*	(T)1.0(0.03) × (W)3.5(0.13) × (L)65(2.55)	1000 (39.4)	50g/0.11 lb (including probe cap)
TM-801AXL		φ 3(0.51) × 55(2.16)		

\*This can be used with KANETEC conventional models TM-501, TM-610 and TM-701.

## Model TM-SMF / TM-AMF REFERENCE MAGNETIC FIELD FOR TESLA METER

For calibration and daily check of Tesla Meter!

### For standard probe

Applicable probe:KANETEC TM-201 and later models



### For axial type probe

Applicable probe:KANETEC TM-601 AXL, TM-701 AXL, TM-801 AXL



### [Application]

- Daily check of the Tesla Meter.
- When a calibration certificate of the reference magnetic field is obtained, the calibration of the Tesla Meter becomes economical.

### [Features]

- The closed circuit construction employing a permanent magnet that causes less magnetic force leak is employed.
- Small and light weight.

Model	Magnetic Flux Density*	Dimensions		Mass
		Dia.	Height	
TM-SMF-003	0.003T (30G)	φ 43 (1.69)	50 (1.96)	Approx. 0.5kg/1.10lb
TM-SMF-050	0.05 T (500G)	φ 43 (1.69)	40 (1.57)	Approx. 0.4kg/0.88lb
TM-SMF-300	0.3 T (3000G)	φ 70 (2.75)	30 (1.18)	Approx. 0.3kg/0.66lb
TM-SMF-1000	1 T (10000G)	φ 73 (2.87)	74 (2.91)	Approx. 2.0kg/4.40lb

\*The magnetic flux density is a nominal value. The measurement sheet included with the product shows the actual measured value of the product.

Model	Magnetic Flux Density*	Dimensions		Mass
		Dia.	Height	
TM-AMF-003	0.003T (30G)	φ 70 (2.75)	60 (2.36)	Approx. 1.4kg/3.08lb
TM-AMF-050	0.05 T (500G)	φ 70 (2.75)	55 (2.16)	Approx. 1.3kg/2.86lb
TM-AMF-300	0.3 T (3000G)	φ 70 (2.75)	50 (1.96)	Approx. 1.2kg/2.64lb

\*The magnetic flux density is a nominal value. The measurement sheet included with the product shows the actual measured value of the product.

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



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