

# Electromagnetic Current Meter

MODEL		
Main	VM-1001	VM-1001RS
Detector	VMT3-200-13P	

1. A current velocity is measurable by the small detector, with a turbulence of steam minimized.( $\phi 13\text{mm}$ )
2. The current meter is zero-adjustable in manually or automatically.
3. The detector's screw connector is water proof type, so screw in firmly. Applicable max. water depth is within 20m.
4. A voltage is being output separately in 3 element(X,Y,Z).



Model VM-1001

5. The model VM-1001RS is connected to the personal computer by the form of RS232C, and data can be taken in the personal computer.

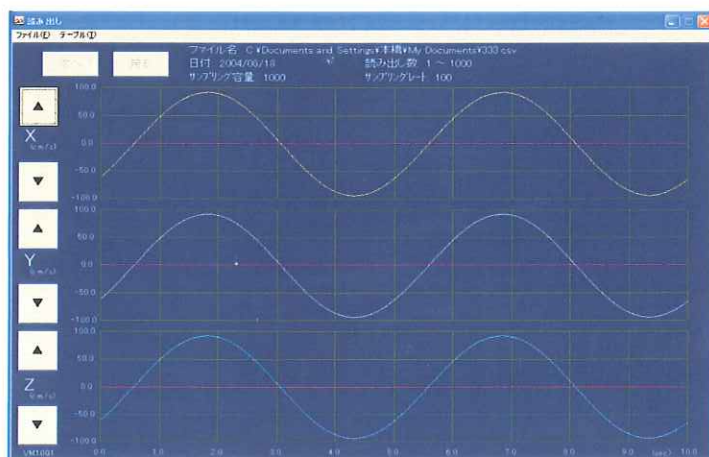


Fig. 1 Write Display

No.	X(cm/s)	Y(cm/s)	Z(cm/s)
477	-9.0	-10.0	-10.9
478	-11.9	-12.9	-13.9
479	-14.9	-15.8	-16.8
480	-17.8	-18.8	-19.8
481	-20.8	-21.7	-22.7
482	-23.7	-24.7	-25.7
483	-26.6	-27.6	-28.6
484	-29.6	-30.5	-31.5
485	-32.4	-33.4	-34.3
486	-35.3	-36.2	-37.1
487	-38.0	-38.9	-39.9
488	-40.8	-41.6	-42.5
489	-43.4	-44.3	-45.1
490	-46.0	-46.8	-47.7
491	-48.5	-49.3	-50.1
492	-51.0	-51.8	-52.6
493	-53.4	-54.2	-55.0
494	-55.8	-56.6	-57.3
495	-58.1	-58.9	-59.6
496	-60.4	-61.2	-61.9
497	-62.6	-63.3	-64.0
498	-64.7	-65.4	-66.1
499	-66.8	-67.4	-68.0
500	-68.7	-69.3	-69.9
501	-70.6	-71.2	-71.8
502	-72.4	-72.9	-73.5

Fig. 2 Display of data list

## [Specifications]

**Main unit****VM-1001****VM-1001RS**

[Main unit and detector (Model VMT3-200-13P) combination]

Detecting system	: X,Y,Z 3 components (6 directions)
Measuring range	: 0 ~ +/- 200 cm/sec (3 range switching)
Measuring accuracy	: ± 25cm/s full scale Range 0 ~ ± 25cm/s (± 0.5cm/s)
	: ± 100cm/s full scale Range 0 ~ ± 100cm/s (± 2cm/s)
	: ± 200cm/s full scale Range 0 ~ ± 200cm/s (± 4cm/s)
Response time	: 0.5, 1, 5, 10 sec (4 point changeover)
Noise	: Current conversion ± 5 mm/s
Output	: Each range ± 5 V / full scale
Communication Facility	: — No —
Calibration voltage	: 0 V, + 5 V
ZERO adjustment	: Manual with multi-rotary trimmer
	: Automatic with external control actuating
Display	: Analog meter (1.5 Class)
Operating Temp.& Humidity	: 0 ~ 40 °C, 20-80%RH (except for condensing)
Power source	: AC 220 V ± 10V 50 & 60Hz Approx. 70VA
Dimensions	: Approx. 315W×100H×300D(mm)
Weight	: Approx. 3.5 kg

Conforms to RS-232C alike.

**Detector unit****VMT3-200-13P**

Configuration	: Sensor φ 13 Overall length Approx. 430mm
Weight	: Approx. 220g
Working water quality	: City water, Industrial water
Waterproof connector	
with standing pressure	: 2 kg/cm <sup>2</sup>
Working temp. range	: 0 ~ 40 °C (Not to be frozen)

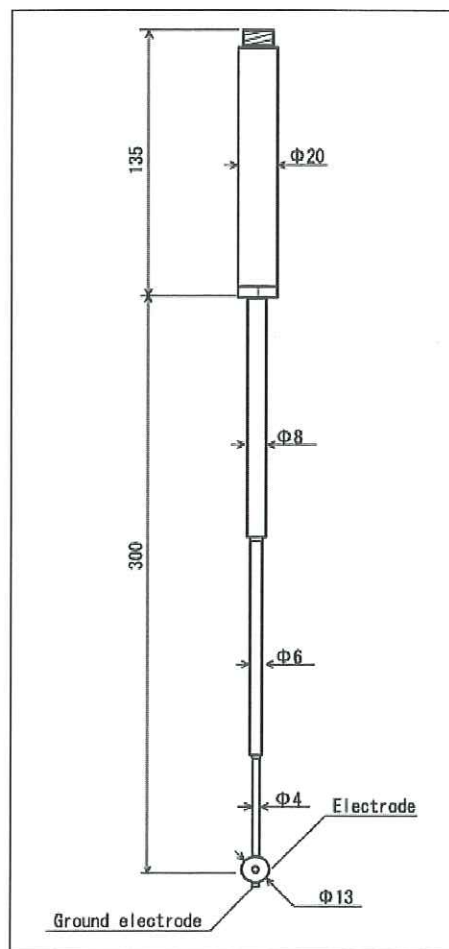
## [Standard Accessories]

**Main unit****VM-1001****VM-1001RS**

Power cable	1 pc	1 pc
Output cable	3 pcs	3 pcs
Fuse (1A)	2 pcs	2 pcs
Grounding cable	1 pc	1 pc
Instruction manual	1	1
Data collection software	— No —	1 (CD-ROM)
Connection cable of RS232C	— No —	1pc (9P-9P)

**Detector VMT3-200-13P**

Connecting cable 10m	1 pc
Fitting	1 pc
Wooden box (for the detector)	1 box
Test certificate	1



Model VMT3-200-13P

\* Specifications are subject to change without notice.

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