



3D Electromagnetic Current Meter

Main unit	VM-1001N	VM-1001N-USB
Detector	VMT3-200-13P	

Current speed of X, Y and Z axis 3 elements can measure simultaneously.



VM-1001N

Small 13mm ϕ sensor

The diameter of the detection part is $\phi 13\text{mm}$. The extremely small size allows measurement with minimal water flow turbulence.



VMT3-200-13P

3-dimensional

Simultaneously and accurately measure the horizontal and vertical flow velocities.

Auto zero function

In addition to zero adjustment by volume, it has a one-touch auto zero function.

Connect to a PC

The voltage is output individually for each of the three components.
The collected data is saved as a .csv format file. (VM-1001N-USB)

High-performance detector

The detector has become smaller due to the improved shape and structure.
Better vector characteristics and stability performance

[Specifications]

Main unit :	VM-1001N	VM-1001N-USB
Channels	1channel	
Measurement direction	3-axes /6-directions (X, Y, Z)	
Measurement range	$\pm 25\text{cm/s}$, $\pm 100\text{cm/s}$, $\pm 200\text{cm/s}$ (3 range switching)	
Precision	$\pm 2\%$ /F.S.	
Response time	0.5s, 1s, 5s, 10s (4 range switching)	
Noise	$\pm 5\text{ mm/s}$ (Convert to flow velocity)	
Voltage output	$\pm 5\text{V}$ /F.S. (Each range)	
CAL output	0V, 5V	
Digital output	None	USB
Output display	1.5-class analog meter	
Zero adjustment	Manual : Adjustment by multi-turn trimmer	
	Auto : Adjustment with one-touch switch (With external control, Operating signal: falling edge)	
Operating conditions	0 - 40°C, 20 - 80 % RH (without condensation)	
Power source	AC220V $\pm 10\%$ 50Hz&60Hz Approx. 21VA	
External dimensions	436W x 100H x 300D mm (protruding parts not included)	
Weight	Approx.5kg	

Detector : VMT3-200-13P

Water quality	Tap water, industrial water, rain water, river water, or lake water
Pressure resistance	196kPa (2 atmospheric pressure)
Operating temperature	0 - 40°C (without freezing)
External dimensions	See the external view
Weight	Approx.220g
Connection cable	10m (Standard) (Option : Max.50m)

[Standard accessories]

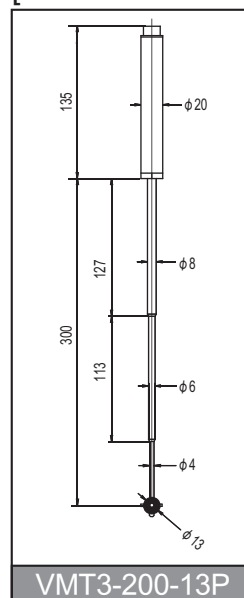
Main unit

Power cable	3m	1
Output cable (BNC~BNC)	1.5m	3
Fuse (1A)		2
Driver for adjustment		1
Ground wire	10m	1
Instruction manual		1
Data collection software (VM-1001N-USB)		1
Communication cable (VM-1001N-USB)		1

Detector

Connection cable	10m	1
Mounting bracket		1
Certificate of inspection		1
Wooden box		1

[External view of detector]



* The contents of this catalog are subject to change without notice.

CAT.No.147050

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