

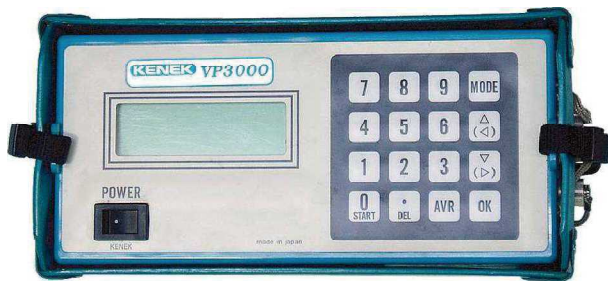


# Portable type 3-dimensional Electromagnetic Current Meter

MODEL Main unit  
VP3000

Detector  
VPT3-200-13P

Portable type Electromagnetic  
Current Meter that is able to measure  
3-dimensional data.



Main unit: VP3000



Detector: VPT3-200-13P

#### “Measurement of 3-dimensional data”

This model is simultaneously able to measure not only horizontal X-Y currents but also vertical Z current.

#### “Preservation of 12,000 data”

This model is able to preserve approximately 12,000 measured data and transfer to PC (based on RS-232C).

#### “Data processing on PC”

Preserved measured data are able to be processed on PC (MS-Excel etc.).

#### “Detector compatibility”

Detector is able to be replaced by changing the individual coefficient.

#### “Auto measurement”

Measuring on ever high accuracy by automatic sensitivity adjustment function.

#### “Measurement of average current”

Measuring average current per second on 1, 2, 10, 20, 40 and 60 second.

#### “Built-in calendar”

Measured data are able to be preserved with date and time by built-in calendar and clock.

#### “Water/Drip-proof”

Since detector is water-proof, and also main unit is drip-proof, these can be used in the rain also.

## [Specifications]

Main unit: VP3000

Measurement directions	X-Y-Z three axis and six directions.
Measurement range	0~±2 m/s
Measurement accuracy	0~±0.5 m/s: within ±0.01 m/s ±0.5~±1.0 m/s: within ±0.02 m/s ±1.0~±2.0 m/s: within ±0.04 m/s
Zero point adjustment	One-touch adjustment (zero adjustment mode).
Response time	0.5 sec.
Sensitivity setting	Automatic setting (0.25, 0.5, 1 and 2 m/s : 4 ranges/full-scale).
Noise	Within ±0.005 m/s (correspond to current of still water)
Average time	1, 5, 10, 20, 40 and 60 seconds (data hold for each operation). Start → Stop → Displayed data hold → Start → ... [Beep on each operation] Continuous 1 second monitoring function.
Display	LCD (20 characters, 4 lines, no back light).
Capacity of data storage	Approximately 12,000 data (data protection function). (A data is composed of file name, current, average time and measured time.)
Data output	Measured data are able to be transferred to PC (based on RS-232C).
Calendar	Built-in calendar and clock.
Detector compatibility	It is able to be replaced by changing the individual coefficient.
Auto power saving	Display off automatically if no operation for three minutes (without continuous monitoring function). Warm up time from detector power on: Max. 10 sec.
Power source (2 way)	Built-in secondary battery (lithium-ion): 12V (4Ah) Availability time: Approx. 8 hours Recharge time: Approx. 10 hours  AC adapter: AC100V ±10V 50 or 60Hz Other: Built-in battery for memory backup.
Operating environment	Temp. 0~50°C, Humidity 80%RH (w/o condensation)
External dimensions, weight	215(W) x 100(D) x 72(H) mm, approx. 1.2kg
Construction	Drip-proof construction

## Detector: VPT3-200-13P

Pressure resistance	20m (water depth pressure)
Water quality	Tap water, industrial water, rainwater, etc.
Operating temperature	0~40°C (w/o freezing)
Connection cable	Standard: 3m (option: max. 50m)
Compatibility	The individual coefficient (with zero point adjustment).
External dimensions, weight	Approx. 445mm (total length), approx. 230g

(Note) Anti-corrosion measures are necessary when using in seawater.

## Main unit accessories

AC Adapter	1
PC connection cable	1
Carrying case	1
Data transmission software	1
Instruction manual	1
Storage case	1
(Main unit, detector, 3m connection cable)	

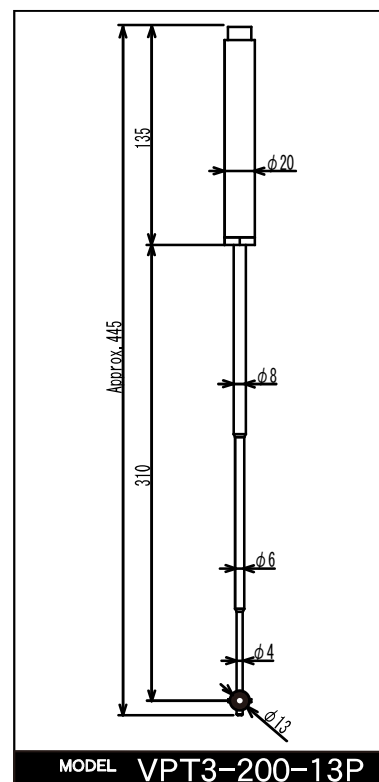
## Detector accessories

Connection cable (3m)	1
Certificate of inspection (KENEK standard inspection)	1

## Option

Sensor rod (T-19A, T-19B, etc)	
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## [Detector external view]



(Note) For improvement of the product, the content of the catalog is subject to change without notice.

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