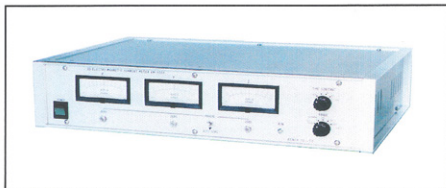


Electromagnetic Current Meter

| | | |
|----------|--------------|-----------|
| 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. (ϕ 13mm)
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.

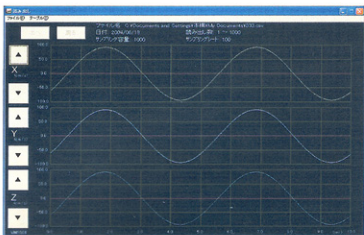


Fig. 1 Write Display

| 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 | -52.5 |
| 493 | -53.4 | -54.2 | -55.0 |
| 494 | -55.8 | -56.6 | -57.3 |
| 495 | -58.1 | -59.9 | -59.6 |
| 496 | -60.4 | -61.2 | -61.5 |
| 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 ~ +/- 2 0 0 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 - | Conforms to RS-232C alike. |
| 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 ~ 4 0 °C, 20-80%RH | (except for condensing) |
| Power source | : AC 2 2 0 V ± 10V 50 & 60Hz | Approx. 70VA |
| Dimensions | : Approx. 315W×100H×300D(mm) | |
| Weight | : Approx. 3.5 kg | |

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 ² |
| | : 0 ~ 4 0 °C (Not to be frozen) |

[Standard Accessories]

Main unit

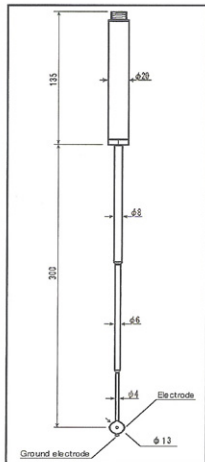
VM-1001

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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