

MDM-25A

Portable Electromagnetic Meter

¥400,000(including PVC made sensor)

Corresponds to measurement of high concentration of chemical solution

- It is possible to measure the concentration of a chemical such as acid / alkali.
Easy continuous measurement is also supported.
- Measurement of high concentration range is possible by electromagnetic induction method.
- Density / electric conductivity can be switched.
- Sensor maintenance is easy.
No need for routine calibration.



■ Specification

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|--------------------------------|---|--------------------------------------|
| Measurement Method | Measurement method of electric conductivity by electromagnetic induction | |
| Display | LCD | |
| Measurement Unit | S/m(μ S/m, mS/m), S/cm(μ S/cm, mS/cm), % , °C | |
| Conductivity Measurement Range | 0 to 200 S / m (liquid temperature 25°C , temperature compensation 2% / °C.) | |
| Conductivity Display Range | Auto 5 range and manual range 0.00~20.00mS/m(0.0~200.0 μ S/cm) 0.0~200.0mS/m(0.000~2.000mS/cm) 0.000~2.000S/m(0.00~20.00mS/cm) 0.00~20.00S/m(0.0~200.0mS/cm) 0.0~200.0S/m(0.000~2.000S/cm) | |
| Concentration Display Range※1 | Reagent type | Display range(%) |
| | H ₂ SO ₄ | 0.00~30.00 40.00~80.00 93.00~99.50※2 |
| | HCl | 0.00~15.00 20.00~40.00 |
| | HNO ₃ | 0.00~30.00 40.00~80.00 |
| | NaOH | 0.00~15.00 20.00~40.00※3 |
| | NaCl | 0.00~25.00 |
| Repeatability (Main body) | Electric conductivity $\pm 1\%$ FS | |
| | Temperature $\pm 0.1^{\circ}\text{C} \pm 1$ digit | |
| Power Source | Six AA alkaline batteries Or AC 100 V (dedicated AC adapter: optional) | |
| External Dimension / Weight | Approx. 250 (W) x 160 (H) x 95 (D) mm Approx. 3 kg (excluding sensors and dry batteries) | |
| Sensor Dimension | Approx. $\phi 60$ mm | |

※1 It is also possible to set by manual data input.
Measurement may not be possible depending on the temperature of the sample solution.

※2 0It is impossible to manufacture it at less than 30 °C at 0.00 ~ 30.00% and less than 10 °C at 93.00 ~ 99.50%.

※3 It is impossible to manufacture about 30 °C or less at 0.00 to 15.00% and 40 °C or more at 20.00 to 40.00%.

■ Standard Accessories

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|---------------------------------------|--------------------|
| Standard sensor (lead length 3 m) | MC-25 |
| Analog output cable (1.5 m) | W5186500 |
| AA alkaline battery (for testing) (6) | Instruction manual |

■ Option

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|---|----------|--|
| AC adapter | YD-12 | |
| Extension pipe (PVC made) 1 m correspondence (pipe length 850 mm) | OIZ00006 | |
| Extension pipe (made of PVC) 1.5 m compatible (pipe length 1350 mm) | OIZ00007 | |