

Water Turbidity Meter WA 6000



Using this instrument, you can measure both turbidity and chromaticity of tap water in a moment time. Thanks to its double beam photometry with automatic calibration function, you can get highly stable and reliable data of measurements.

A working curve can be displayed on a screen or printed out, and even chromaticity values of turbid liquid samples can be measured, which may largely decrease your working time and save your investment cost for equipment and facility.



Features

1. Simultaneous measurement of coloration and turbidity

2. Capable of high-accuracy measurement

- High-speed 16 bit A/D converter (calibrated using built-in 18 bit self-calibration function) and low-drift, high-speed, high-accuracy amplifier to achieve precision measurement to 0.1% of full scale (electrical precision).
- The unit is equipped with a double-beam photometric measurement system and an automatic calibration function.

3. Easy-to-view display

Fluorescent display eliminates all problems of visual reading difficulties. Display is also clearly visible in a dark environment. Important coloration and turbidity data are shown in a large display in double-width characters. Interactive style measurements are possible while messages are displayed on screen.

4. Calibration curves

Coloration and turbidity calibration curves can be prepared as desired. These calibration curves are also displayed on the screen.

Specifications

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| Dimensions | W 490mm x D 340mm x H 240mm |
| Weight | Approx. 13kg |
| Power supply | 100V to 240V AC, 50 / 60Hz |
| Power consumption | 45VA |
| Light source | Halogen lamp, 12V 20W |
| Light receiving element | Fast-reponse silicon photosel |
| Measuring items | NTU (turbidity), Coloration, Light absorption, Total light transmittance, Diffuse transmittance, Parallel transmittance |
| Measuring range | <ul style="list-style-type: none"> • Turbidity : 0 to 1000°, 4 mode change • Coloration : 0 to 1000°, 4 mode change |
| Measuring method | <ul style="list-style-type: none"> • Turbidity : Integrating sphere type photoelectronic photometry • Coloration : Light permeation coefficient measurement |
| Measurement accuracy | <ul style="list-style-type: none"> • Turbidity : 0.1°(formazine), CV value within 3% • Coloration : 0.5°(formazine), CV value within 5% |

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| Display | <ul style="list-style-type: none"> • Fluorescent tube : 256 dots×64 dots • Display area : 166mm×41mm • Color : Blue-green |
| Display & print data | NTU (turbidity), Coloration, Light absorption, Total light transmittance, Diffuse transmittance, Parallel transmittance |
| Printer | Built-in thermal printer for operating comment <ul style="list-style-type: none"> • Printing method : Serial dot-printing on thermal paper • Printing speed : 6 lines/1.5 sec • Paper width : 58mm • Paper roll length : Approx. 30m |
| Interface | Connection via RS-232C |
| External input | Calibration, Measurement start signal |
| External output | Sample number, measuring date (year, month, day, hour, minute, second), NTU (turbidity), Coloration, Light absorption, Total light transmittance, Diffuse transmittance, Parallel transmittance, etc. |
| Data memory | Memory capacity for 300 data |

※Turbidity and color are to be calibrated using polystyrene standard liquid and standard color liquid respectively prior to shipment from our factory.
 ※As part of our ongoing policy of product improvement, these specifications are subject to change without notice.