

# TURBIDITY METER

Model : TU-2016

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# TURBIDITY METER

Model : TU-2016

| FEATURES   |  |
|--|--|
| * Designed to meet ISO 7027.   |  |
| * NTU ( Nephelometric TURBIDITY Unit ) measuring unit.   |  |
| * Wide and auto measurement range : 0 to 1,000 NTU.  |  |
| * High resolution : 0.01 NTU/1 NTU.  |  |
| * The unique optics structure, enables the instrument to read low value of TURBIDITY to the high level up to 1,000 NTU.    |  |
| * Four operation buttons and two calibration points, easy operation.   |  |
| * Jumbo LCD, easy readout.   |  |
| * Microprocessor circuit assures maximum possible accuracy, provides special functions and features.                       |  |
| * Battery operated for field and on-site testing convenience.  |  |
| * Data hold function for freezing the desired value on display.  |  |
| * Records Maximum and Minimum readings with Recall.  |  |
| * Heavy duty & compact housing with hard carrying case, designed for easy carry out & operation.                           |  |
| * Auto shut off is available to save battery life.   |  |
| * Application : Test municipal water, food and beverage water, or other aqueous solution where fluid clarity is important. |  |

| SPECIFICATIONS        |  |                    |
|-----------------------|--|--------------------|
| Circuit               | Custom one-chip of microprocessor LSI circuit.   |                    |
| Display               | LCD size : 41 mm x 34 mm   |                    |
| Range                 | 0.00 to 50.00 NTU, 50 to 1,000 NTU<br>* NTU : Nephelometric Turbidity Unit<br>* Auto range   |                    |
| Resolution            | 0.01 NTU/ 1 NTU  |                    |
| Accuracy              | ± 5 % F.S. or ± 0.5 NTU, which ever is greater.  |                    |
| Light source          | LED, 850 nm.   |                    |
| Detector              | Photo diode  |                    |
| Standard              | Meet ISO 7027.   |                    |
| Response time         | Less than 10 seconds.  |                    |
| Sample volume needed  | 10 mL.   |                    |
| Data Hold             | Freeze the display reading.  |                    |
| Memory Recall         | Maximum & Minimum value.   |                    |
| Display Sampling Time | Approx. 1 second.  |                    |
| Power off             | Auto shut off saves battery life or manual off by push button.   |                    |
| Calibration points    | 0 NTU, 100 NTU.  |                    |
| Operating Temperature | 0 to 50 °C.  |                    |
| Operating Humidity    | Less than 85% R.H.   |                    |
| Power Supply          | DC 1.5 V battery ( UM4, AAA ) x 6 PCs, or equivalent.  |                    |
| Power Current         | Stand by   | Approx. DC 3.5 mA. |
|                       | Testing  | Approx. DC 36 mA.  |
| Weight                | 320 g/0.70 LB. @ Battery is included.  |                    |
| Dimension             | 155 x 76 x 62 mm ( 6.1 x 3.0 x 2.4 inch)   |                    |
| Accessories Included  | Testing bottle with 0 NTU standard solution..... 1 PC<br>Testing bottle with 100 NTU standard solution..... 1 PC<br>Empty testing bottle..... 2 PCs<br>Clean cloth.....1 PC<br>Clean solution ( Distill water ).....1 bottle<br>Hard carrying case, CA-08.....1 PC |                    |
| Optional Accessories  | * Testing bottle with 100 NTU standard solution, TU-100NTU<br>* Testing bottle with 0 NTU standard solution, TU-0NTU<br>* Empty testing bottle, 0601   |                    |