SPEC SHEET

Plug-in Type Digital Indicating Turbidity/SS Meter

WIL-101-TU

- DIN rail mounted type
- Various settings, calibration operable via software communication (RS-485)
- 24 V AC/DC power supply (user-specified)



| Name | Plug-in Type Digital Indicating Turbidity/SS Meter | | | | | | | | |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------|------|----------|------------|----------------------------------------|----------------------------------------------|--|
| Model | | | | | | | | | |
| | W I L - 10 | 1 | -TU | | , | | | | |
| | Input points | 1 | | | | 1 point | | _ | |
| | Input | | TU | | | • | y sensor (made by OPTEX), | | |
| | | | | | | - | spended Solids) sensor (made by OPTEX) | _ | |
| | Power supply voltage | | | | | | 00 to 240 V AC (standard) | | |
| | | | | 1 | | | 4 V AC/DC (*) | | |
| | Option | | | | EVT | • | Contact output | | |
| | IA 1-point Transmission output | | | | | | | | |
| | (*) Power supply voltage 100 to 240 V AC is standard. When ordering 24 V AC/DC, enter 1 in Power supply voltage, after 'TU'. | | | | | | | | |
| | | | | | | | | | |
| M | Accessories sold separately: Socket: ASK-001-1 (Finger-safe, Ring terminals unusable) | | | | | | | | |
| Measurement | Input | | | Inni | ut Range | Resolution | | | |
| range | · | 0.0 to 100.0 (Formazin) | | | | | 0.1 (Formazin) | | |
| | | 0 to 500 (Formazin) | | | | | 1 (Formazin) | | |
| | | 0 to 3000 (Formazin) | | | | | | | |
| | | 0 to 1000 mg/L (Kaolin) | | | | | 1 mg/L | | |
| | SS | 0 to 50000 mg/L (Kaolin) | | | | | 10 mg/L | | |
| | (*1) Changeable from Formazin to Kaolin in [Measurement unit]. | | | | | | | | |
| | (*2) The ones digit of the current Turbidity/SS input value is rounded off, and is divided by 10. | | | | | | | | |
| | This value is indicated as an input value. | | | | | | | | |
| Repeatability | $\pm 0.2\%$ of measurement span ± 1 digit (However, sensor accuracy excluded.) | | | | | | | | |
| Linearity | ±0.2% of measurement span ±1 digit (However, sensor accuracy excluded.) | | | | | | | | |
| Input sampling period | 500 ms | | | | | | | | |
| Time accuracy | Within ±1% of setting time | | | | | | | | |
| Turbidity/SS inputs | 1 to 120 | | | | | | | | |
| for moving average | | | | | | | | | |
| Self-diagnosis | The CPU is monitored by a watchdog timer, and if an abnormal status occurs, the | | | | | | | | |
| | instrument is switched to warm-up status. | | | | | | | | |
| Input | Turbidity sensor (made by OPTEX): TC-100, TC-500, TC-3000 | | | | | | | | |
| | SS sensor (made by OPTEX): TCS-1000(E), TS-MxS-A | | | | | | | | |
| Ambient temperature | 0 to 50°C | | | | | | | | |
| Ambient humidity | 35 to 85 %RH (Non-condensing) | | | | | | | | |
| Power supply | WIL-101-TU: 100 to 240 V AC 50/60 Hz Allowable fluctuation range: 85 to 264 V AC | | | | | | | | |
| (user-specified) WIL-101-TU 1: 24 V AC/DC 50/60 Hz Allowable fluctuation rang: 20 to 28 V AC | | | | | | | | <u>; </u> | |
| Structure | DIN rail mounted type Case: Flame-resistant resin, Color: Light gray | | | | | | | | |
| | Front panel: Membrane sheet | | | | | | | | |
| Protection structure | Overvoltage category II, Pollution degree 2 (IEC61010-1) | | | | | | | | |
| Safety standards | RoHS directive compliant | | | | | | | | |
| Dimensions | W30 x H88 x D108 mm (including socket) | | | | | | | | |
| | Approx. 200 g (including socket) | | | | | | | | |
| Weight | Approx. 200 (| j (inc | iuaing | SOC | кет) | | | | |

