



## APPLICATION

- Wastewater effluent
- Cooling water
- Activated sludge process
- Digestion sludge process

## FEATURES

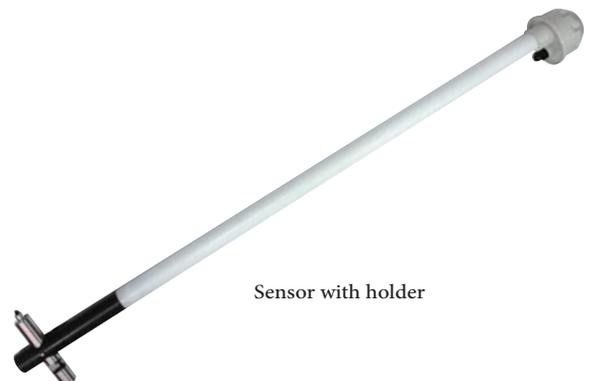
- 144 x 144 mm Intelligent Turbidity/S.S. Transmitter (DC7310-RS) and MLSS Transmitter (DC7310-RS-M)
- User-friendly operation with text and graphic illustrations, clear signs and easy to understand
- Large LCM display with auto-sense backlight and contrast setting function
- Measuring value can be selected for figure or chart display
- Trace mode can display historical measured value curve from 3-minute to 4-week program
- Equipped with event logbook and error diagnosis record
- High durability sensor features SUS 316L sensor casing and hard-to-scratch sapphire
- Sensor equipped with self-clean wiper system keeps lens clean and makes maintenance easy
- With passcode and multi-key design—security protection enhancement
- Isolated current output DC 0/4~20mA corresponding to measurement value
- Hi/Lo, Hi/Hi, Lo/Lo selectable two limited contact output with programmable set-point and hysteresis
- Three separate LED indicated alarms for recognition at a glance even from far place
- Automatic detector wiper clean function with programmable time interval
- Equipped with one analog output and RS-485 interface
- IP 65 (NEMX 4X) waterproof and dustproof design



Turbidity/S.S. sensor



MLSS Sensor



Sensor with holder



## SPECIFICATION

- ◆ Measuring range: 0-3000 FTU
- ◆ Power supply: DC 12V±10%
- ◆ Current draw: At regular operation: 30mA (Max.), At cleaning operation: 240mA (Max.)  
(excluding analog signal output).
- ◆ Output: Analog (4-20mA) signal output: resistance load of 300 Ω (Max.)  
4mA: 0 FTU  
20mA: 3000FTU  
Self-checking output: open collector (12VDC 20mA Max.)
- ◆ Input: Calibration signal input
- ◆ Cleaning system: Both sided swing wiper cleaning system
- ◆ Time interval for cleaning: Clean once immediately after power-on, and subsequently clean  
once every 10 minutes
- ◆ Operating temperature: 0~40°C(unfrozen)
- ◆ Major material: SUS 316L, sapphire glass, fluorocarbon rubber, EPDM, POM
- ◆ Dimensions: Ø32x163mm (excluding hanging attachment)
- ◆ Weight: approx. 930g
- ◆ Degree of protection: IP 68, maximum depth of 2 meters (underwater type)
- ◆ Detector cable length: 10m
- ◆ Made in Japan