Digital Infrared Turbidity Analyzer

This digital infrared turbidity analyzer adopts the 90° near-infrared light scattering principle and conforms to the ISO7027 standard to measure the turbidity of water samples.

Application:

◇ Tap water
◇ Water station
◇ Surface water
◇ Sewage
◇ Industrial water

Digital Infrared Turbidity Controller

OPTU8

Features & Advantages

● Compatible with all DRFN digital infrared turbidity sensors;
● Separately have a list of controller and sensor settings for quick and detailed parameter setting;
● The working status of the sensor can be queried, including reading the serial number;
● Support a variety of installation methods;
● Time and historical data recording function;
● 3.2-inch large LCD screen;
● User-friendly Chinese and English language interface;
● Password can be set to prevent misoperation;
● 2 SPST multi-function and settable relays;
● Two 0/4~20mA active current loop outputs;
● RS485 interface, Modbus RTU communication protocol;
● IP66 waterproof level, sealed enclosure can isolate pollution and corrosive gas;
● OTA download technology as a smart configuration option for the instrument;

Specification & Model

Model	DUC2-TU-H-A	DUC2-TU-H-D	DUC2-TU-S-A	DUC2-TU-S-D
Software Version	DRFN TU Analysis software V1.0			
Sensor Input	Compatible with all DRFN's TU Digital Sensors			
Display Range	0.001NTU~4000NTU			
Resolution	0.001 NTU			
Relay Control	2 settable SPST relays with a maximum load of 3A/250VAC			
Analog Current Output	2 settable 0/4~20mA current outputs with a maximum load 1000Ω			
Communication Method	Two-wire RS485 interface; MODBUS RTU; support JSON text data format			
OTA	——	——	Default WIFI	Default WIFI
Display Screen	128*64 black-and-white graphic lattice LCD adjustable backlight mode adjustable display rate			
Configuration Information	Power off protection, parameters are retained indefinitely			
Time/Data Record	Year/month/day/hour/min/second, record 14000 historical data record interval can be set between 1~999 minutes			
Maintenance Records	Last 100 times			
Protection Level	IP66			
Operating Environment	0~60℃, RH<95% (no condensation)			
Storage Environment	-20~70℃, RH<55% (no condensation, precision instruments)			
Shell Material	Enhanced ABS			
Dimension	144*144*120 mm			
Mounting Method	Wall mounting, pipe clamping, panel installation (hole size 138*138 mm)			
Electrical Interface	The back end reserved 3 M12*1.5 Gram head, line diameter 3~6.5 mm			
Power Supply	100~240VAC	18~36VDC	100~240VAC	18~36VDC
Power Consumption	About 12W			
Weight	About 800g			