

MODBUS RS-485

FLUORESCENCE DISSOLVED OXYGEN

Model : PDO-9907

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

FLUORESCENC C DISSOLVED OXYZEN


Model : PDO-9907

FEATURES

* No need for electrolyte, no polarization, no need to consume oxygen, and not affected by flow rate.
* The fluorescent film head is easy to replace and simple to maintain.
* Universal RS485 interface, Modbus/RTU protocol.
* Conveniently connected to third-party equipment such as industrial control computers, general controllers, recording instruments, PLC, DCS, etc.
* Dual high-impedance differential amplifiers, strong anti-interference and fast response speed.
* 3/4 NPT pipe thread is easy to install, convenient for submersible installation or installation in pipes and tanks.
* Seneor Protection grade IP68.
* Control output : 2 points (COM, NO).
* Alarm output : 2 points (COM, NO).
* Control Relay will make action when the reading value reach to control value.
* Hysteresis value setting for control and alarm function.
* Standard 96 X 48 mm DIN case.
* Mete Power : 90 ACV - 260 ACV, 50/60 Hz

Electrical Specifications (23 ±5 °C)

Circuit	Custom chip of microprocessor LSI circuit.
Display	* 2.4" TFT LCD Dissolved oxyzen saturation Temperature
Measuring range	0-20mg/L (0~200% saturation, 25°C)
Resolution	0.01mg/L · 0.1°C
Accuracy (23±5 °C)	±2%FS · ±0.3°C
Operating temperature	0~50°C
Work pressure	< 0.2MPa
Temperature compensation	Automatic temperature compensation (Pt1000)
Powered by	12~24VDC
Signal output	RS-485(Modbus/RTU)
SENSOR	
Shell material	POM
SENSOR	
Installation method	Submersible installation, 3/4 NPT pipe thread
SENSOR	
Cable length	5 meters, other lengths can be customized
Calibration method	Two point calibration
SENSOR	
Power consumption	0.2W@12V
SENSOR	
Protection level	IP68
Data Output	RS 232 PC serial interface

Relay Output	Number Function	2 relays Relay 1 : High/Low control relay. Relay 2 : High/Low alarm relay.
	Max load	0.5 ACA/250 ACV 0.5 DCA/24 DCV * Do not apply the relay contact load current > 0.5 A, other wise the relay may be damaged permanently without warranty.
		
Operating Humidity	Less than 80% R.H. * Meter	
Weight	384 g Seneor only	
Seneor	185 mm x30 Dia.	
Dimension	Depth : 110 mm.	
Power Supply	90 to 260 ACV, 50/60 Hz.	
Power Consumption	Approx. 3.5 VA/AC 110V. Approx. 4.9 VA/AC 220V.	
Weight	384 g/ 0.84 LB. Meter only.	
Meter	DIN size : 96 x 48 mm.	
Dimension	Panel cut size : 92 mm x 46 mm. Depth : 110 mm.	
Accessories	Instruction manual.....1 PC Case holder with screw..... 2 PCs Dissolved oxyzen probe..... 1 PC	
Optional Accessories	* Data Acquisition software, SW-U801-WIN. * RS232 cable, UPCE-02. * USB cable, USB-01.	