Economy pH Sensor with Modbus output MBRTU-PH-H035

SKU: MBRTU-PH-H035

Doc No: MBRTU-PH-H035-DS-EN-10

Introduction

MBRTU-PH-H035 is an economy type in-line (continuous measurement) pH sensor offering affordable sensor application coverage for many water applications such as drinking water, industrial water, aquaculture, tank installations or related applications. Output is Modbus RTU for easily integrating with any PLC, controller, SCADA, BMS or IoT gateway.

- 12mm OD compact probe;
- Automatic temperature compensation;
- Standard ModbusRTU output;
- Plug & Play.

Typical Applications

MBRTU-PHFLAT can be used for pH monitoring and control in the followings:

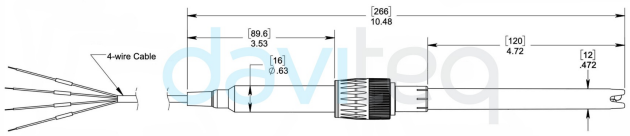
- Drinking water;
- Waste water;
- Industrial water;
- Aquaculture;
- ...

ECONOMY PH SENSOR WITH MODBUS OUTPUT
MBRTU-PH-H035



MBRTU-PH-H035-H1.PNG

DIMENSION DRAWING OF MBRTU-PH-H035
(Unit: [mm]/in)



MBRTU-PH-H035-H2.PNG

MEASURING pH IN WATER



MBRTU-PH-H035-H3.PNG

pH TRANSMITTER, DIN-RAIL MOUNT



MBRTU-PH-H035-H4.PNG

Specification

pH SENSOR SPECIFICATION	
Sensing Technology	Glass, combine electrode with temperature sensor
Measuring range	pH 0 .. 14
Resolution	pH 0.1
Accuracy	+/- 0.1
Working temperature	0 .. 80 oC (compensated)
Working pressure	0 .. 15 psig
Process connection	3/4" NPT both ends
Probe protection	Polycarbonate tube
Sensor Cable	3m
Rating	IP68
Sensor Dimension	D12 x 266 (mm)
Sensor net weight	< 150 grams
pH TRANSMITTER SPECIFICATION	
Inputs	pH sensor
Output	RS485, ModbusRTU protocol, max 19200 baud
Power supply	9..36VDC, avg. < 200mA
Mounting	DIN Rail
Working temperature	-40 .. 85 oC
Working humidity	0 .. 95% RH, non-condensing
Housing	Engineered Plastic

Ingress Protection	IP20
Dimension	93 x 40 (mm)
Net weight	<200 grams

Ordering Code

Item code	**Descriptions**
MBRTU-PH-H035-P001	PH SENSOR 12MM PROBE WITH TEMPERATURE COMPENSATION, 3M SENSOR CABLE, C/W DIN RAIL MOUNT TRANSMITTER WITH MODBUSRTU RS485 OUTPUT, 9-36VDC
Accessories	
RS485-FM12-USB-1	RS485 FEMALE M12 4-PIN, CODING A TO USB CABLE WITH POWER ADAPTER 12VDC/2.0A FOR CONFIGURATION
** Configuration cable for pH sensor, Windows' software is free. Contact our sales for more information.*	

⚠ Link to download datasheet: https://filerun.daviteq.com/wl/?id=0TMhHOvn5DLr3zpqL31oDmObhRx0Xr3W

⚠ Link for manual:

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