

ADAFLOW



**Digital analyzer
monitor Dc2000**

www.adaflow.com.tr

Addr: 19th floor, no:99, Buyukdere Rd, Istanbul - Turkey. **Tel:** +90 (537) 289 4118

www.adaflow.com | info@adaflow.com

Digital analyzer monitor Dc2000

Dc2000 Digital analyzer monitor is a general-purpose water quality controller. It is suitable for use with Supmea's multiple water quality series digital sensors. It is used to monitor water quality parameters including pH, ORP, conductivity, dissolved oxygen, turbidity, sludge concentration, etc. The parameters are output to the monitoring room through RS485 or current transmission for record keeping.

Features

- The isolated transmission output is adopted, which is less affected by interference
- Adopt isolated RS485 communication technology
- With high and low alarm output function.
- With sound and light alarm function.
- With LCD backlight switch control function

Applications

Can be used with the following instruments:

- PH sensor
- Water testing
- Information data collection
- Internet of Things water quality
- Industrial process testing

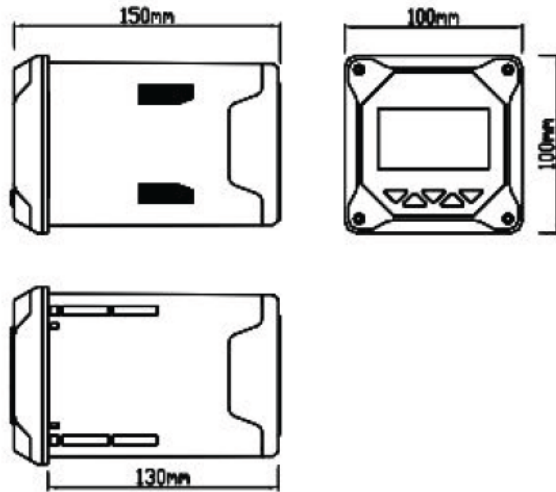
Parameters

Parameters	Details
Measurement	2.8-inch monochrome LCD screen, resolution 128*64
Dimension	100mm×100mm×150mm
Hole size	92.5mm×92.5mm
Monitoring parameters	pH/ORP/Conductivity/DO/Turbidity/Sludge concentration
Current output	(4-20)mA load capacity 500Ω, output accuracy ±0.2%FS
RS485 output	Isolated, Modbus-RTU communication
Alarm	2 channels, capacity AC250V/3A
Distribution output	12V/125mA
Relative humidity	(10 - 85)% (no condensation)
Working temperature	(0 - 60) C
Input	AC:(100 - 240) VAC DC:24VDC(Optional)
Storage conditions	Temperature:(-15 - 65) C Humidity(5 - 95)% (no condensation) Height:<2000M

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Digital analyzer monitor Dc2000

Dimension



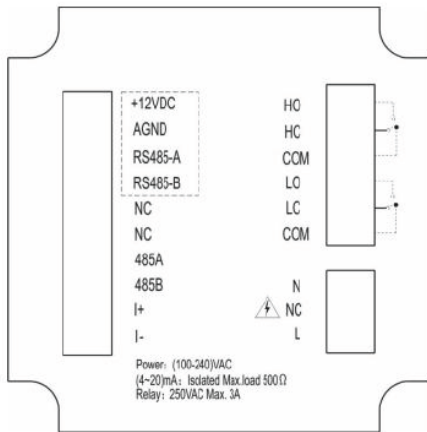
Ordering code

SUP-DC2000-O1-D1-A2-V1										Description	
SUP-DC2000										Measure range: pH: (0~14)pH ORP: (-2000~2000)mV DO: (0~40)mg/L Saturation: (0~200)% Conductivity:(0~600)mS/cm Turbidity:(0~4000)NTU (0~120000)mg/L	
Transmit output	O1										1 channel 4~20mA
Communication	D1										RS485
Relay output		A2									2 channels
Power supply			V1								220VAC
			V2								24VDC

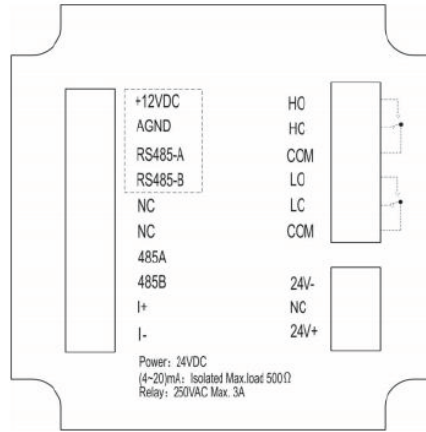
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Wiring



220VAC wiring diagram



24VDC wiring diagram

- 12VDC: 12V power supply +
- AGND: 12V power supply -
- RS485-A: Sensor RS485 communication port A
- RS485-B: Sensor RS485 communication port B
- NC: Unidentified
- RS485 A : RS485 communication interface A +
- RS485 B: RS485 communication interface B-
- I+: 4-20mA output end+
- I-: 4-20mA output end -
- HO: High alarm normally open relay
- HC: High alarm normally closed relay
- COM: relay common terminal
- LO: Low alarm normally open relay
- LC: Low alarm normally closed relay
- COM: relay common terminal
- L: Power port L
- N: Power port N
- 24V+: 24VDC +
- 24V-: 24VDC -

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