

Water Treatment



NEXUS 6500

INDUSTRIAL INSTRUMENTS



Main characteristics

- TEMPERATURE MEASUREMENT: 0-100°C (1% of accuracy- maximum range) with PT1000 sensor
- TWO CURRENT OUTPUTS (mA): 0/4-20 – 20-4/0 mA (±1%) with galvanic isolation
- POWER DIGITAL OUTPUT: (VDC/VAC) or «reed» sensor for stand-by status
- TWO AND INDEPENDENT SET POINTS: through 250V 10A dry contact relay (resistive load)
- MULTILANGUAGE MENU
- PASSWORD
- DIGITAL CALIBRATION: including the control of the probe quality status
- SIGNAL RELAY AND ALARM RELAY

Water Treatment



- ON/OFF TIMED AND PROPORTIONAL DOSING
- RS485 SERIAL PORT Modbus RTU communication protocol
- WASH RELAY
- DATA STORAGE AND GRAPHIC DISPLAY OF THE MEASURED VALUES
- USB PORT for the stored data downloading (optional)

Measuring Range

Measure range

Code	Description
pH	0 ÷ 14,00 pH
ORP	± 1500 mV
Conductivity	0 ÷ 20 /200 /2.000 /20.000 /200.000 µS
Inductive Conductivity	0 ÷ 10.000 /10.000 /100.000 /999.999 µS
Dissolved Oxygen	0 ÷ 20,0 ppm or mg/l - 0 ÷ 200% SAT
Chlorine and Chlo. Dioxide	0 ÷ 0,50 /1,00 /2,00 /5,00 /10,0 /20,0 /200,0 ppm
Hydrogen Peroxide	0 ÷ 500 /1000 /2000 /10.000 /100.000 ppm
Ozone (O3)	0 ÷ 0,5 /2,00 /5,00 /10,00 ppm
Peracetic Acid	0 ÷ 500 /2000 /10.000 /20.000 ppm
Turbidity	0,00 ÷ 1,00 /10,0 /100 NTU/FTU
Suspended Solids Turbidity	0,0 ÷ 4,00 /40,0 /400 /4.000 NTU/FTU - 0 ÷ 30 gr/l
Temperature	with PT100/PT1000 0 ÷ 100°C (32 ÷ 212 °F)

Parameters

MEASURE	RANGE		ACCURACY	POWER SUPPLY
pH+ORP	0 ÷ 14,00	± 1.500 mV	± 1% f.s.	100 ÷ 240 Vac 50Hz / 60 Hz
pH+CD	0 ÷ 14,00	0 ÷ 200.000 µS	± 1% f.s.	100 ÷ 240 Vac 50Hz / 60 Hz
pH+OX	0 ÷ 14,00	0 ÷ 20 ppm	± 1% f.s.	100 ÷ 240 Vac 50Hz / 60 Hz
CL+CD	0 ÷ 200 ppm	1 ÷ 200.000 µS	± 1% f.s.	100 ÷ 240 Vac 50Hz / 60 Hz
OX+TB	0 ÷ 20 ppm	0 ÷ 100 NTU/FTU	± 1% f.s.	100 ÷ 240 Vac 50Hz / 60 Hz
TB+CL	0 ÷ 100 NTU/FTU	0 ÷ 200 ppm	± 1% f.s.	100 ÷ 240 Vac 50Hz / 60 Hz

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Interface

