Water Treatment

NEXUS 5000
INSTRUMENTS FOR PROCESS ANALYSIS

Main characteristics

- Removable Electrical connections
- Positions of the numbered connections
- Plastic box ABS
- Universal power supply 100÷240 Vac 50/60 Hz
- Low Power 12÷32 Vdc or 24 Vac
- CE Conformity
- Output configuration:
  All relay outputs, output frequency and mA output can be configured with primary and second measurement.
- PID regulation
- Wall mounting, IP65, size (H x W x D) 144 x 144 x 120 mm
- Panel mounting, IP65 frontal Box and IP40 Rear box, size (H x W x D) 96 x 96 x 133 mm
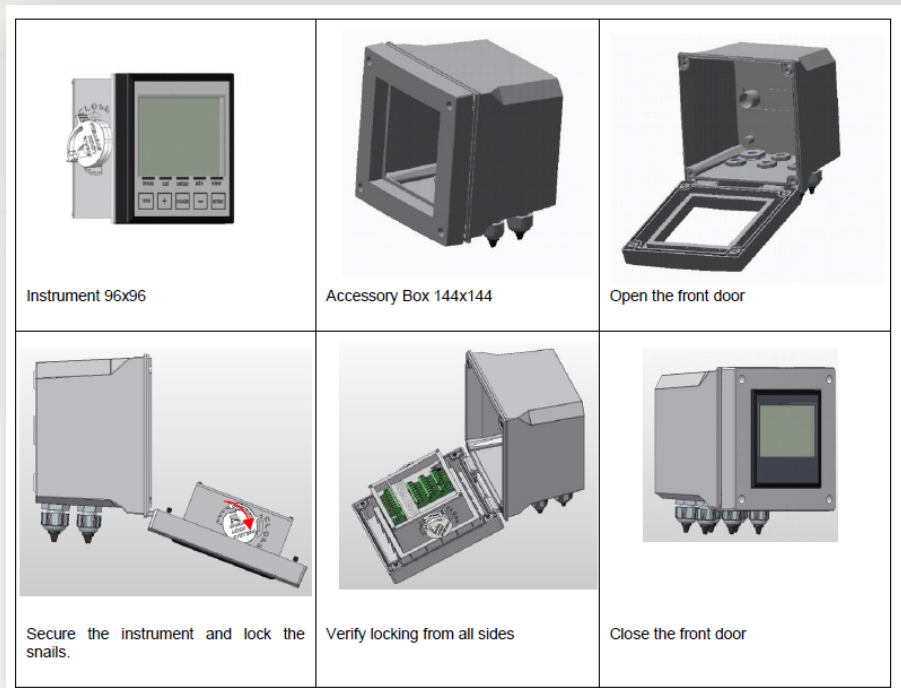- MODBUS optional

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Measuring Range

Ph: 0 ÷ 14
ORP: ± 2000 mV
Conductivity: 0,005 ÷ 400.000 µS
Flow rates: 0,0000 ÷ 99,999 l/sec
Input 4-20 mA: 0 ÷ 99,999 ppm
Temperature: 50-150 °C (58-302 °F ± 0,4 °F)

Parameters

Measure	Range	Accuracy
Ph	0 ÷ 14	± 0,01 pH
ORP	± 2000 mV	± 1 mV
Conducivity/TDS	0,054 ÷ 200.000 µS	± 2 %
Flow rates	0,0000 ÷ 99,999 l/sec.	± 0,5 Hz
Input 4-20 mA	0 ÷ 99,999 ppm	± 0,01 ppm
Temperature	50-150 °C (58-302 °F ± 0,4 °F)	± 0,2 °C

IP65 box (as accessory for the panel mounting version)

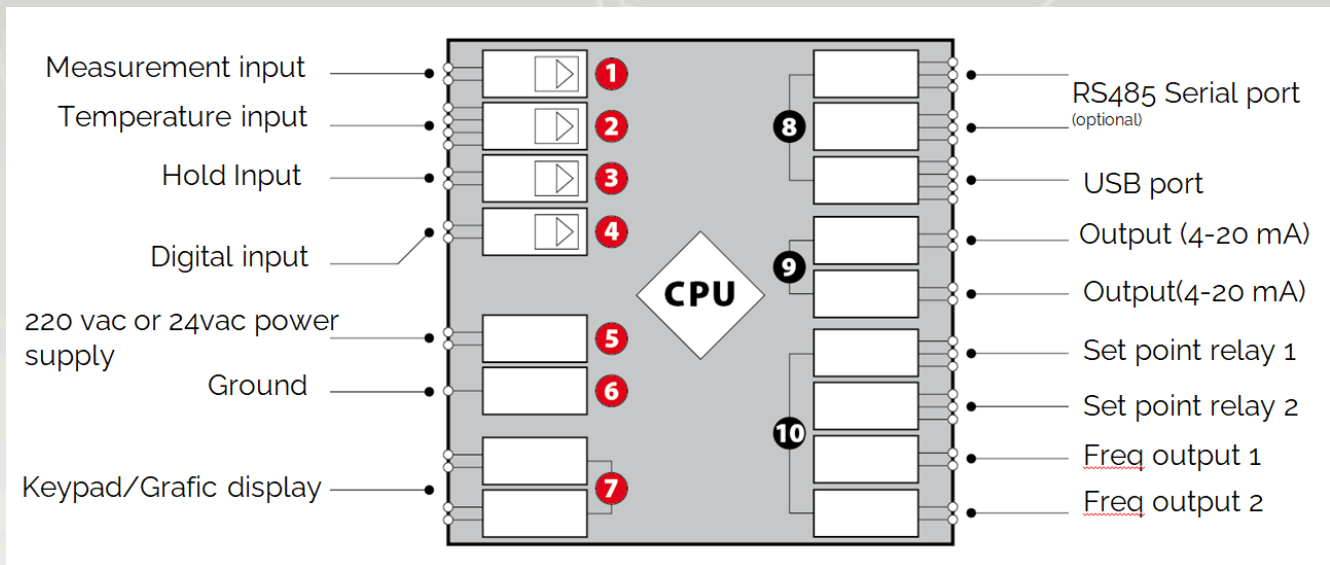Instrument 96x96

Accessory Box 144x144

Open the front door

Secure the instrument and lock the snails.

Verify locking from all sides

Close the front door

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Interface

Measurement input — **1**	**8** — RS485 Serial port (optional)
Temperature input — **2**	— USB port
Hold Input — **3**	— Output (4-20 mA)
Digital input — **4**	**9** — Output(4-20 mA)
220 vac or 24vac power supply — **5**	— Set point relay 1
Ground — **6**	— Set point relay 2
Keypad/Grafic display — **7**	**10** — Freq output 1
	— Freq output 2

CPU

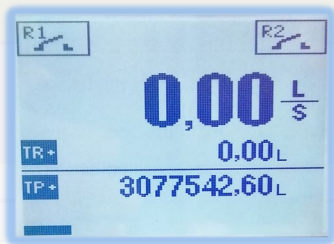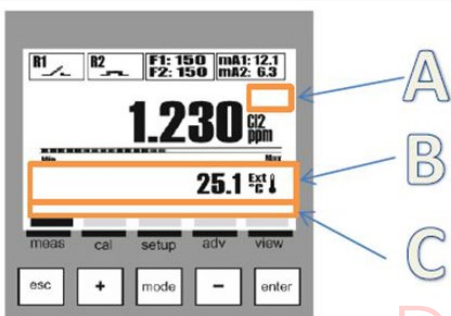## Display
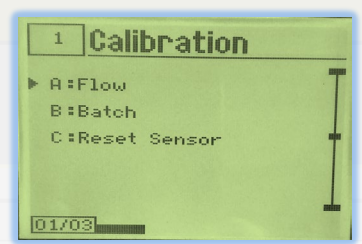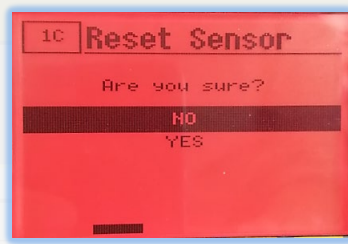
Four different backlight colors to emphasize the different functions.

In the standard view of the tools we have three areas, as follows:
- Service Icons: danger, maintenance, waiting time, transmission of data.
- Text message for alarms and operating information or temperature measured by an external sensor or entered manually
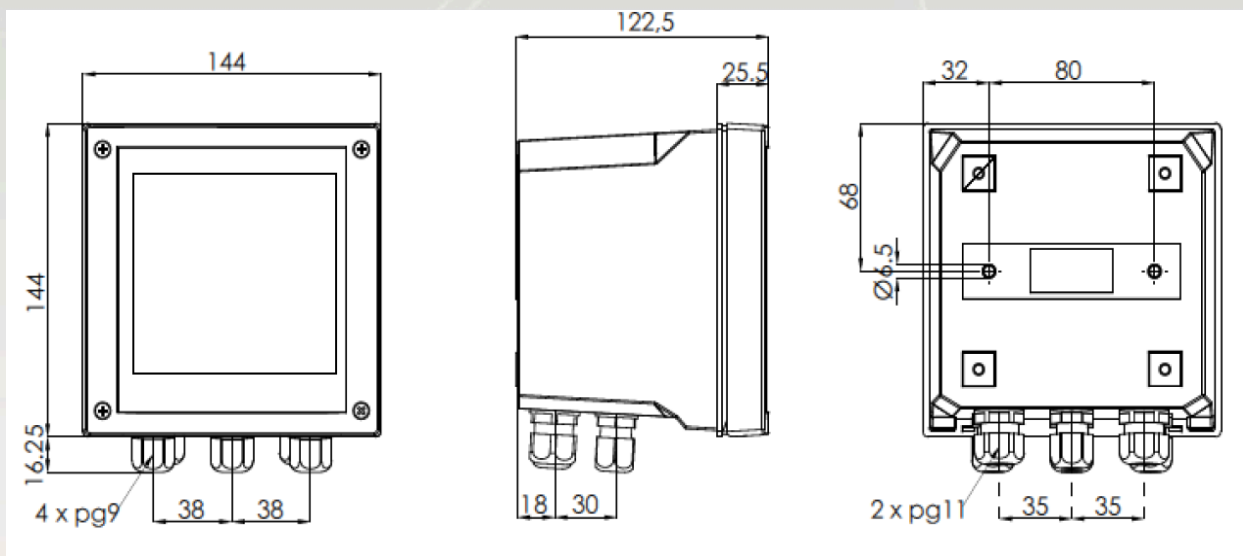- Name of the menu associated with the icon on the status bar

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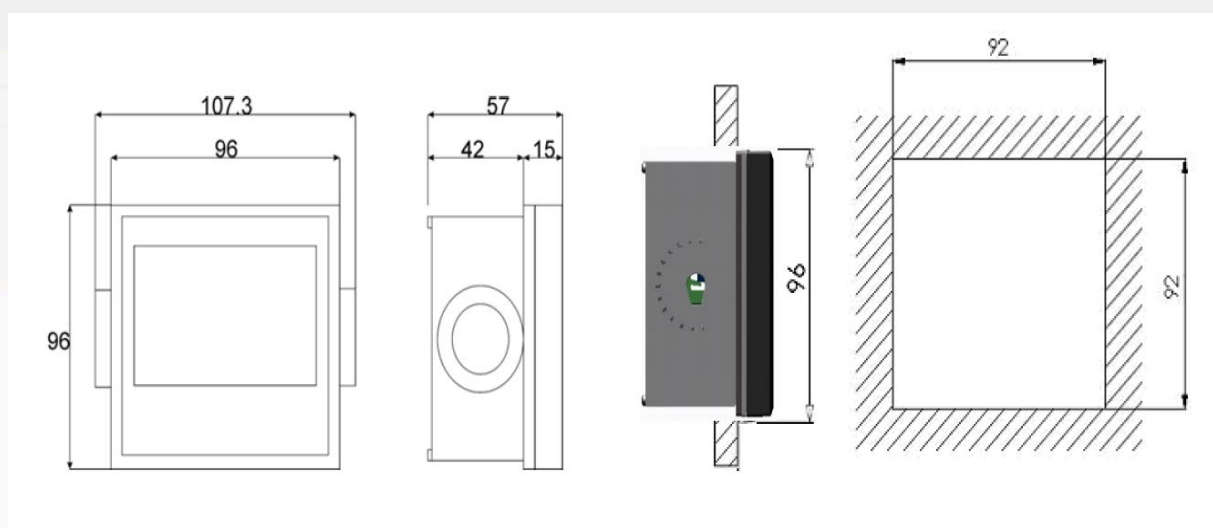# Water Treatment

Dimensional drawing

- **Wall mounting size** (144x144x122,5 mm)

- **Panel mounting size** (96x96x42 mm)

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