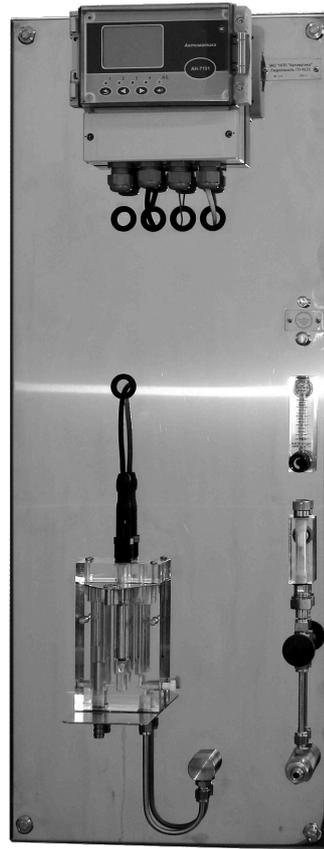
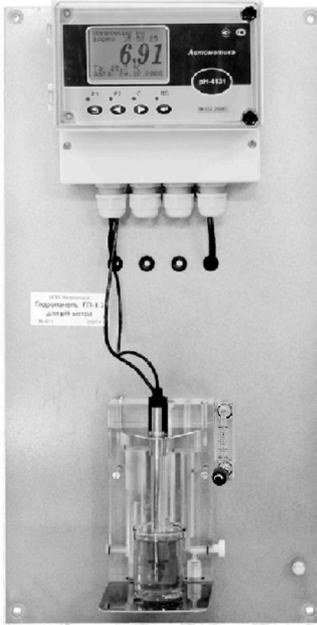


## HP-4131, HP-4122 Hydraulic panels for pH-meter



Hydraulic panels was designed for preliminary preparation of the analyzed liquid: filtering and setting of a rated value and stabilization of the flow in the measuring cell, in which a combination pH or ORP-electrode and temperature sensor are located, measurements antijamming security provision, as well as the pH-meter adjustment according to buffer solutions.

Hydraulic panel is mounted near the controlled facility or in the places of the analyzed liquid supply from the controlled facility.

The pH-meter shall be installed on the hydraulic panel.

HP-4122 can be equipped with an electronic liquid flow meter (option).

Hydraulic panel, complete with the pH-meter can be used in nuclear power, heat power, chemical, petrochemical and other industries.

### BASIC TECHNICAL SPECIFICATION AND PARAMETERS

Measuring cell.....	flow
Basic material of HP - 4131:.....	Aluminium
Basic material of HP - 4122:.....	SS316
Inlet flow rate value.....	(10..30) l/h
Temperature of measuring solution.....	(+5..+50)°C
Weight.....	max 7,5 kg

### OVERALL AND MOUNTING DIMENSIONS

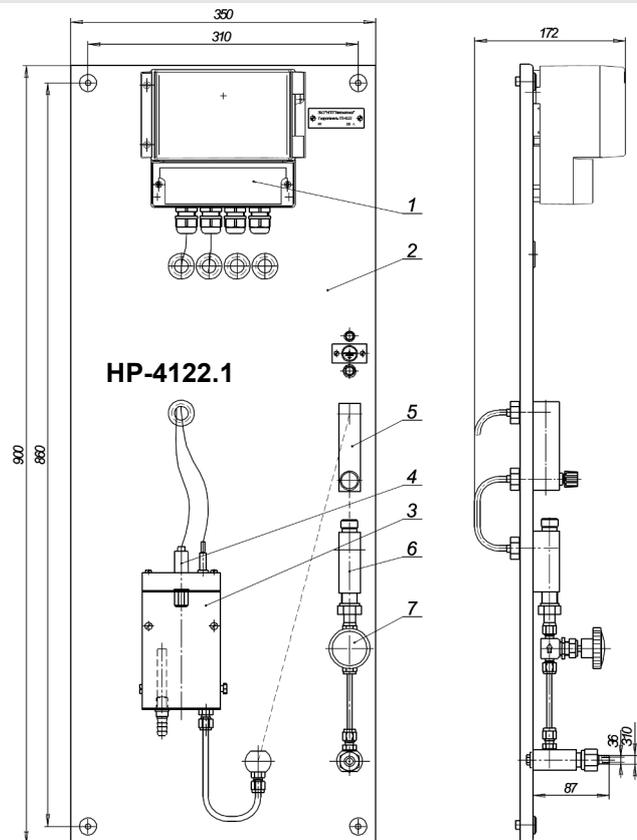
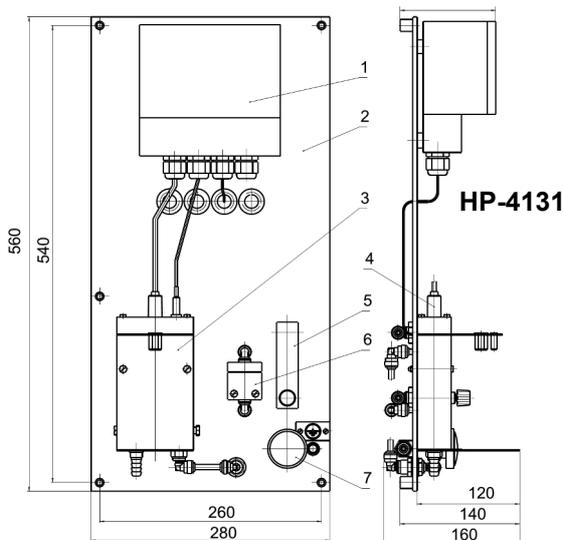
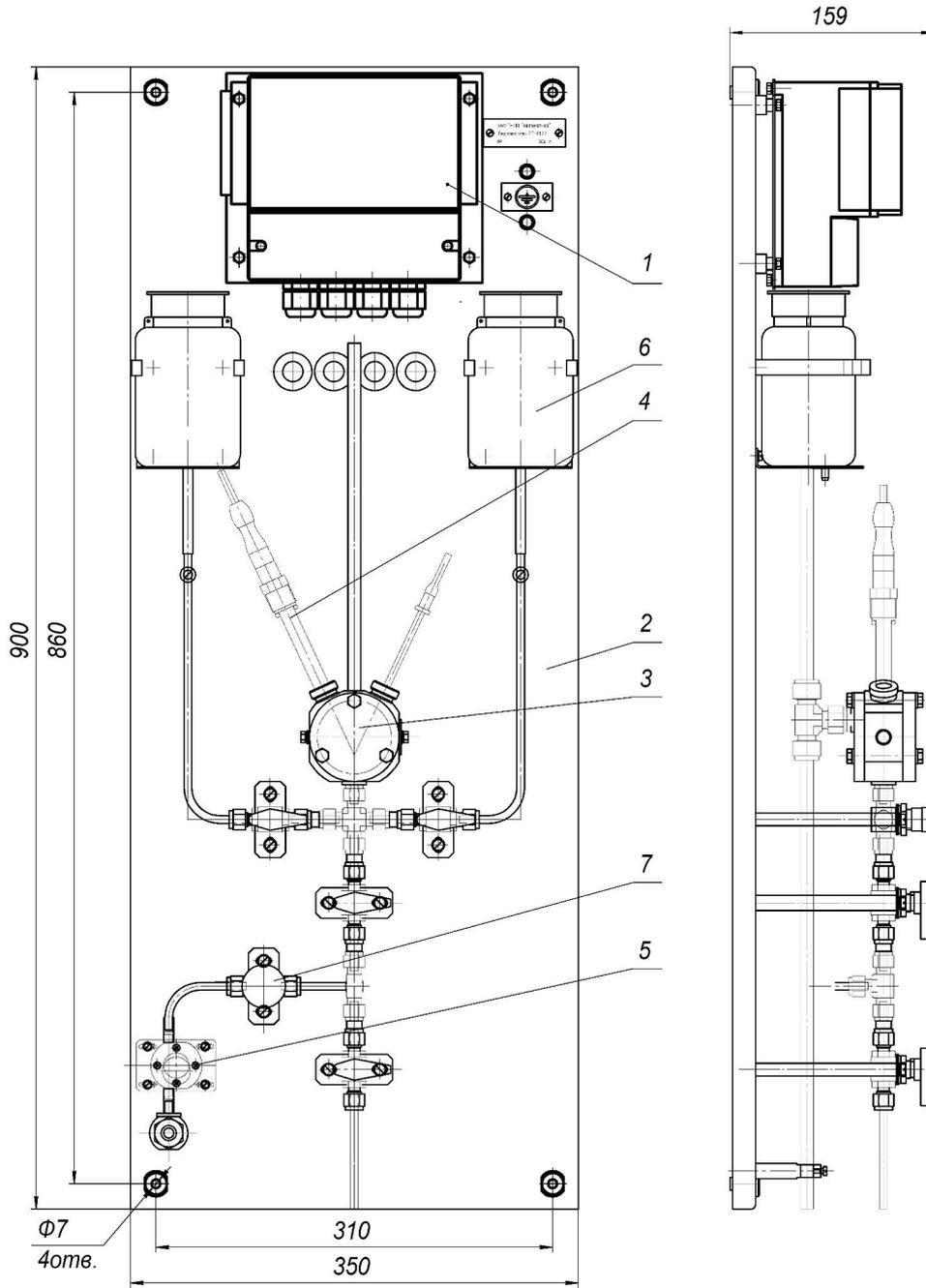
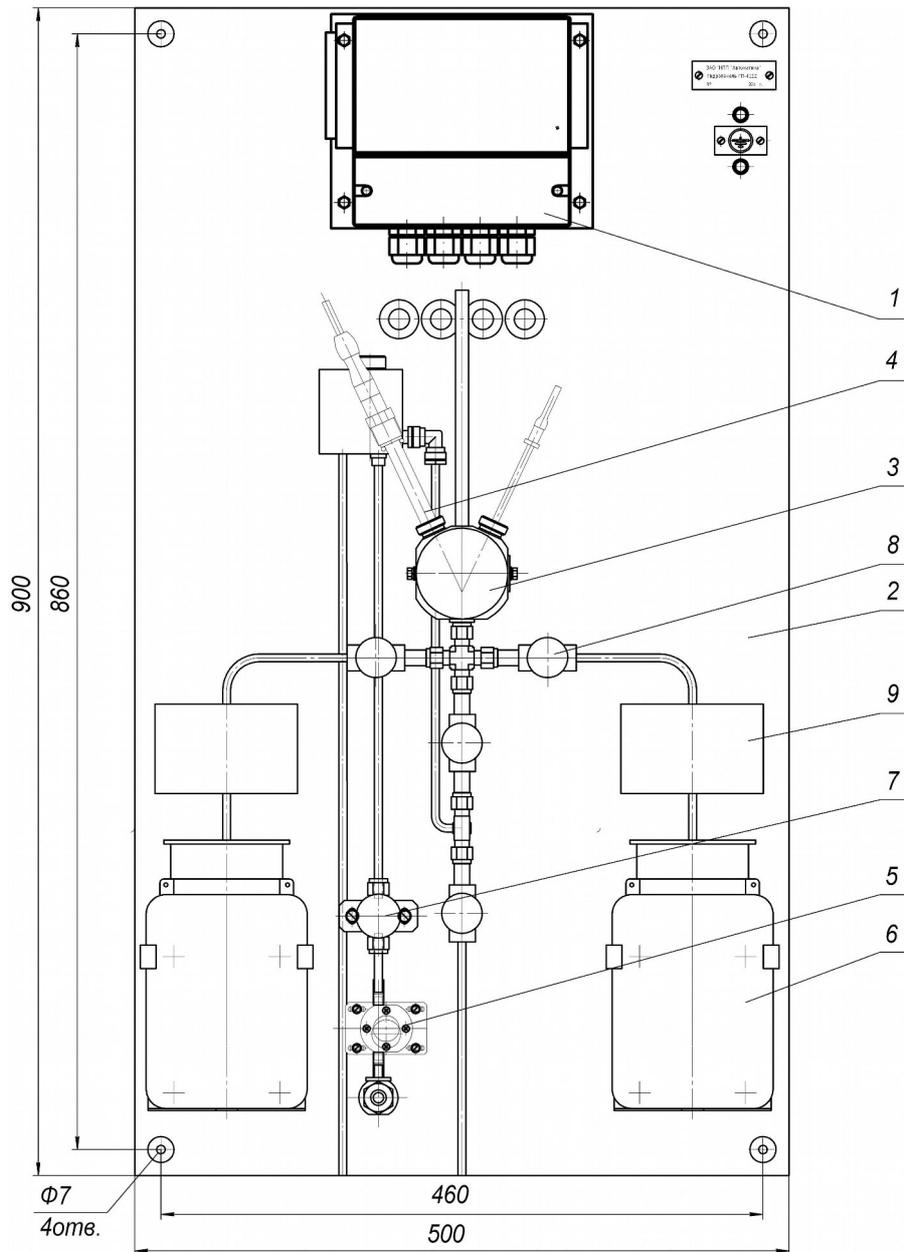


Figure 1. Hydropanels for pH-meter: 1 - pH-meter; 2 - the panel; 3 - cell; 4 - electrode; 5 - flowmeter; 6 - filter; 7 - adjusting valve



**Figure 2. Hydropanel HP-4122.2 for pH meter with manual calibration without unmounting**

- 1 - pH meter; 2 - the panel; 3 - cell, 4 - electrode; 5 - flowmeter;**
- 6 - capacity for buffer solutions; 7 - adjusting valve**



**Figure 3. Hydropanel HP-4122.3 for  
PH meter with automatic calibration without unmounting**

- 1 - pH meter; 2 - the panel; 3 - cell, 4 - electrode; 5 - flowmeter;  
6 - capacity for buffer solutions; 7 - adjusting valve  
8 - the solenoid valve; 9 - the pump**

The 2-point calibration is controlled from the pH meter (pos.1). There are two calibration modes.

1. Automatic - the beginning of calibration is initiated by the pH meter. The interval between calibrations can be set from several minutes to 30 days.

2. Manually - the beginning of calibration is initiated by the operator. The calibration itself is carried out automatically.

*Calibration results are stored in non-volatile memory.*

*The duration of the two-point calibration is 10 minutes.*

*The buffer solution consumption for calibration is 60ml.*