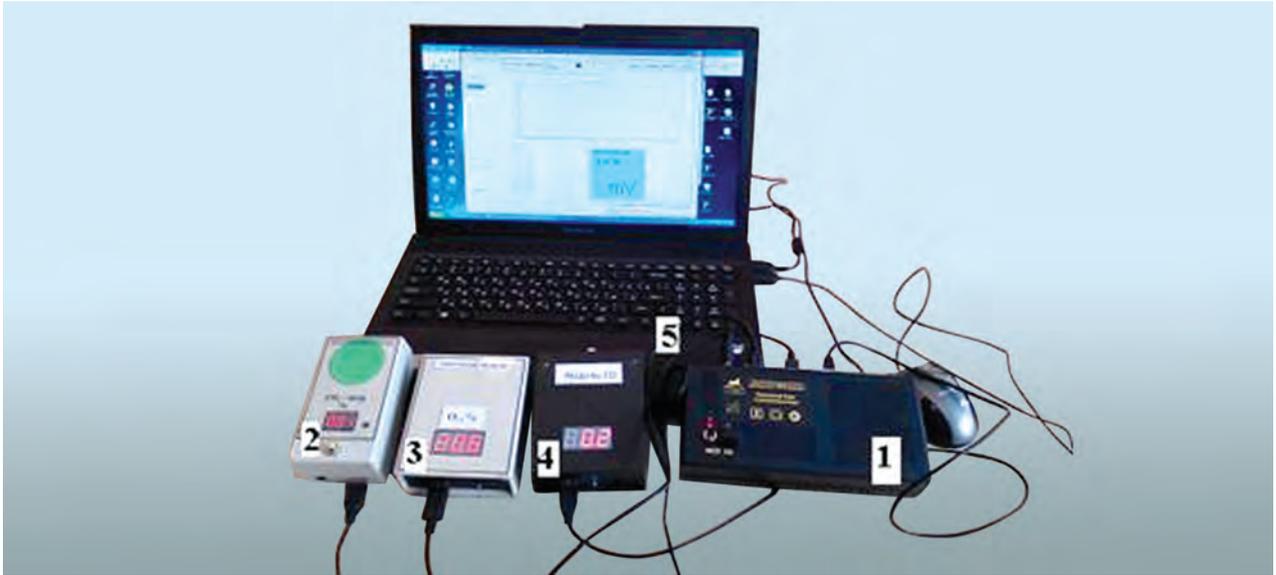


## MULTISENSOR GAS ANALYZER



View of device: 1 – electronic unit; 2, 3, 4 – sensor modules CO<sub>2</sub>, O<sub>2</sub>, CO, 5 – personal computer

### Areas of Application

The device is to be used at healthcare centers to identify bronchopulmonary, cardiovascular, gastrointestinal, and other diseases, to control the content of harmful gases in production buildings, to monitor environment, and to rapidly assess the human health and workability. The analyzer can be used in both stationary and field conditions

### Advantages

Unlike the domestic and foreign counterparts, the device is 2–3 times cheaper, portable, enables to study changes in gas concentration in real time

### IPR Protection

IPR3

### Specification

Three sensor modules (O<sub>2</sub>, CO<sub>2</sub>, CO); possibility to connect up to 8 different sensor modules that can also work individually, for measuring ethanol, acetone, temperature, humidity, pressure, and gas flow rate.

Measurement time, s	10–60
Range of concentration, %	
CO <sub>2</sub>	0–5 error 0.5
O <sub>2</sub>	0–21 error 0.5
CO	0–1 error 0.5
Service life, years	10

### Stage of Development. Suggestion for Commercialization

IRL5, TRL5  
Manufacture of small series, supply, warranty maintenance, and staff training, upon request

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