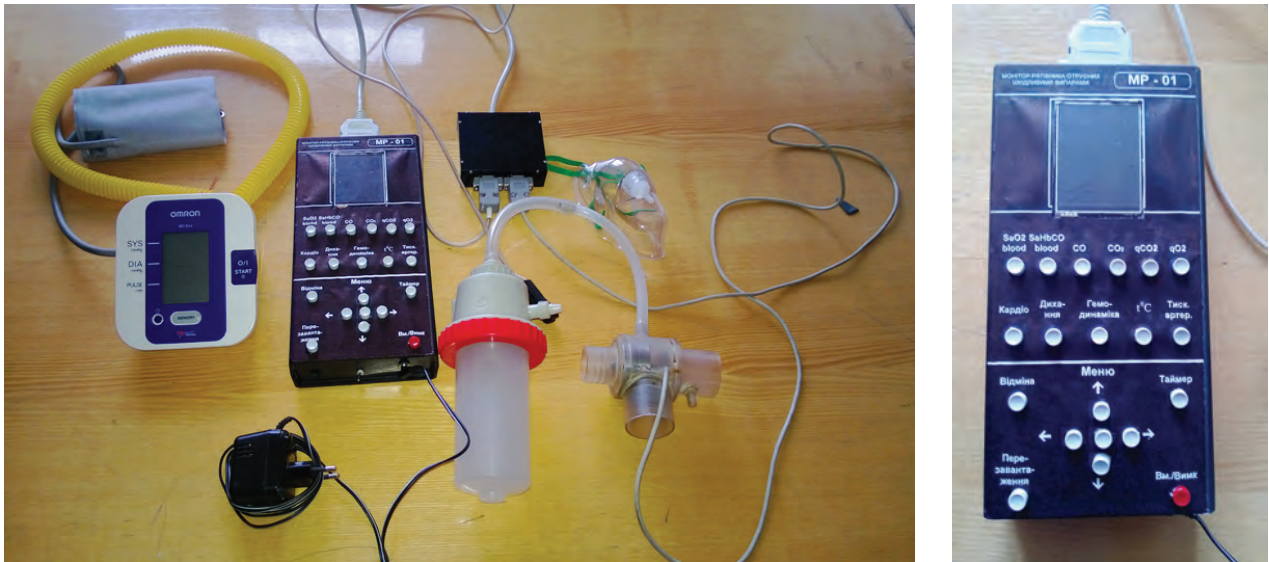


MONITOR FOR MEASURING THE POISONING WITH CARBON MONOXIDE AND NOXIOUS FUMES (HEMOGLOBIN BLOCKERS)



Monitor of poisoning with carbon monoxide and noxious fumes (hemoglobin blockers) – general view (left) and measuring unit (right)

Areas of Application

The device is used for comprehensive diagnosis of the state of injured people in the course of rescue operations, as well as for emergency and intensive care. It enables to evaluate the condition of cardiovascular and respiratory systems affected by hemoglobin blockers, including carbon monoxide

Advantages

No devices for noninvasive measurement of blood saturation with carboxyhemoglobin are manufactured in Ukraine. Similar foreign portable devices have far fewer functions at a much higher cost

Stage of Development. Suggestion for Commercialization

IRL4, TRL4
Manufacture, supply, warranty service, and staff training, upon request

IPR Protection

IRP3

Specification

The device has three-level alarm, operates up to 6 hours without recharge.

Blood oxygen saturation, %:	
range	70–100
error	±2
resolution	1
Blood carbon monoxide saturation, %:	
range	0–30
error	±2
resolution	1
Heart rate, beat/min:	
range	25–250
error	±1
resolution	1
Blood flow velocity, cm/s:	
range	0-60
error	±1
Breathing frequency, breath/min:	
range	0–150
error	±1
Carbon monoxide from expiratory air, ppm:	
range	0–10000
error	±10
resolution	2
Carbon dioxide from expiratory air, ppm:	
range	0–10000
error	±10
resolution	2

Contact Information

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