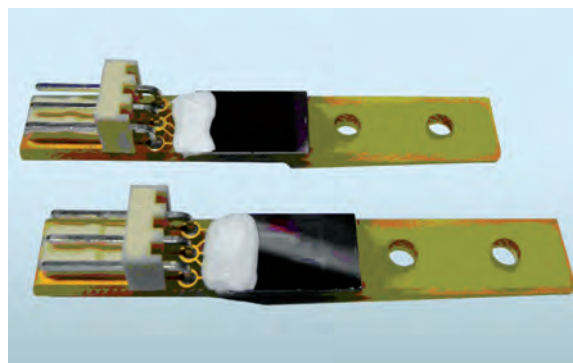


ISPT-3 PORTABLE BIOCHEMICAL ANALYZER



ISPT-3 Portable Biochemical Analyzer



Unified primary electrodes for the device

Areas of Application

The device is to be used for rapid analysis of biochemical composition of aqueous solutions and for identification of chemical substances, including the toxic ones, for the purposes of environmental monitoring, food products quality control, and medical diagnostics (quantification of glucose, urea, creatinine content in blood and urine, etc.)

Specification

Number of channels	2–16
Working capacity of cuvette, ml	0.5–5
Single measurement duration, s	0.1
Operating temperature range, °C	0–40
Time needed for biochemical analysis, min	≤15
Serial interface	RS 232
Software platform	Win 9X
Power supply	12 V/0.2 A

Advantages

There are no analogs in Ukraine. Modular configuration, easy conversion to a multi-sensor system, easy access to sensor cells, quickly replaceable sensitive membranes, lower cost as compared with international counterparts

Stage of Development. Suggestions for Commercialization

IRL7, TRL7
 Manufacture, supply, and maintenance of small batches, upon request

IPR Protection

IPR3

Contact Information

Anna S. Stanetska, V.Ye. Lashkaryov Institute of Semiconductor Physics of the NAS of Ukraine; +38 044 525 60 43, +38 099 292 66 60, e-mail: stanetska_anna@ukr.net