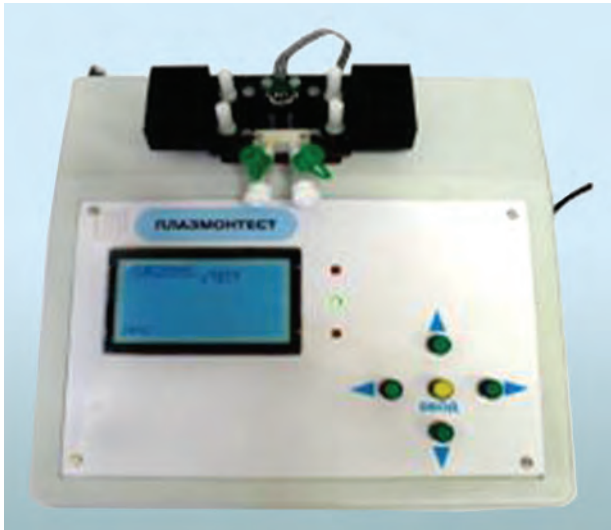


## PLASMONTTEST DEVICE



### Areas of Application

The device is to be used in medical and veterinary institutions for rapid diagnostics, food quality control, environment monitoring, and analytical measurements (registration of specific interaction of analyte (sample) molecules with selective layer deposited on the surface of sensor substrate). The device can be used as SPR sensor with gold layer substrates and as waveguide sensor with various sensor substrates

### Advantages

Unlike the domestic and foreign competitors, the Plasmontest device is portable, 1.5–2 times cheaper, can be used both in stationary and in field conditions. The double-channel modification with a reference channel increases accuracy and compensates temperature instability

### Specification

There are single- and double-channel modifications.

Service life, years	10
Range of refraction index	1.33 – 1.38
Divergence angle range, degree	$\pm 3 \dots \pm 10$
Absolute measurement error, degree	$1 \cdot 10^{-3}$
Minimum time between measurements, s	0.5
Stabilization of measuring cell temperature, °C	$\pm 0.1$

### Stage of Development. Suggestions for Commercialization

IRL5, TRL5  
Manufacture of small batches, delivery, warranty maintenance, and staff training upon request

### IPR Protection

IPR3

### Contact Information

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