

## **Electrostatic fluxmeter “EP-4” for studies of geodynamic processes**

V.A. Efimov<sup>1</sup>, D.M. Oreshkin<sup>1</sup>, P.P. Firstov<sup>2</sup>, R.R. Akbashev<sup>2</sup>

<sup>1</sup> *A. and N. Stoletovs Vladimir State University, Vladimir, Russia*

<sup>2</sup> *Kamchatka Branch of the Geophysical Survey RAS, Petropavlovsk-Kamchatsky, Russia*

**Abstract.** Monitoring of the atmospheric electric field is used for searching precursors of geodynamic processes, for example, in earthquake prediction research. The modern base of hardware components allows creating accurate, robust and low power consumption equipment to measure intensity of the atmospheric electric field. The paper contains block scheme and description of “EP-4” electrostatic fluxmeter, possessing these qualities. This work comprises technical characteristics of the fluxmeter and its three-year-long testing at Karymshina observation site in harsh climate of the Kamchatka peninsula of high seismic activity.

**Keywords:** electrostatic fluxmeter, earthquake prediction, volcanic eruptions.