High vacuum subatmospheric reference installation of first category

PURPOSE

Installation is designed for verification and calibration of vacuum gauges of different types and modes of operation.

FIELD OF APPLICATION

The aerospace and nuclear industries, the production of modern weapons, space simulation, electrical engineering, semiconductor technologies, metallurgy, particle physics, metrology, research in the field of deep vacuum study, technology for growing thin films and crystals, biotechnology and medical technology, etc.

MODE OF OPERATION

The installation is a high-vacuum system with high-precision reference vacuum gauges. Verification and calibration are carried out by the method of direct comparison, static and dynamic expansion (reduction). The installation is developed considering the requirements of the document "Recommendation. State system for ensuring the uniformity of measurements. Vacuum gauges. Verification technique. MI 140-89. " At the request of the customer, the installation can be included in the Federal Information Fund for ensuring the uniformity of measurements as a single reference complex.

Measurement range from	from 10^{-6} to 10^{5} Pa
Limits of permissible relative error of measurements	± (10-3) %

ROSSTANDART
Federal Agency on Technical Regulating and Metrology

export_center@vniiftri.ru
info@vniim.ru

ВНИИМ 1842