

The invention relates to the cooled infrared detectors and can be used in spectroscopy, radiometry, geophysics, astrophysics.

The bolometer contains a helium cryostat (1), in which is installed a solenoid (2) for creation of a magnetic field, connected to a power supply (3). In the solenoid (2) is placed a superconducting sensor (4), made of lead telluride doped with thallium $Pb_{1-x}Tl_xTe$, where $x = 0.01...0.0225$, to which is connected a recording device (5).

The result of the invention consists in obtaining a stable mode of operation of the bolometer.

Claims: 1

Fig.: 2

