

Thermoelectric device for determining the calorific value of a combustible gas comprises a hermetic, heat-insulated vessel, in which combustion of a fixed quantity of gas, referenced to the volume of dry gas determined at normal pressure and temperature, is carried out in air at constant pressure and temperature, and a data recording and processing device. Additionally comprises a thermoelectric generator having thermal contact with the vessel where the gas is combusted. For the thermoelectric generator, dependencies of its thermoelectromotive force and operating temperature difference on the magnitude of the heat flux passing through the thermoelectric generator are pre-established.