INSTITUTE
OF THERMOELECTRICITY
• UKRAINE •

GAS-FUELED THERMOELECTRIC GENERATOR

ALTEC-8036

• The generator is designed for electric power supply to natural gas assessment systems, telemetric equipment and safety automatics of gas-distribution stations.

• The operating principle is based on direct conversion of thermal energy from gas fuel combustion to electrical energy with the use of thermoelectricity.

Appearance of thermoelectric generator

• The thermogenerator comprises: heat source (gas burner of injector with a starter), thermoelectric modules, heat sinks for heat input and removal from the modules, safety automatics. The thermogenerator is placed in locked welded metal housing.

• The generator is started by means of piezo lighter and controlled by light diodes. The initial voltage is controlled by voltmeter.

• The thermogenerator is capable of long unattended operation.

• The thermogenerator design allows its outdoor use under sever weather conditions (wind, rain, snow).

Parameters of thermoelectric generator

№	Parameter, measurement unit	Value
1.	Electrical power, W	10
2.	Electrical voltage, V	24
3	Fuel type	methane
4.	Fuel flow rate, m^3/h	0.05–0.09
5.	Inlet gas pressure, atm.	0.015–0.018
6	Overall dimensions, mm	425×425×780
5.	Weight, kg	37

Order and additional information at the address: General P.O.Box 86, Chernivtsi, 58002, Ukraine; e-mail: ite@inst.cv.ua; tel/fax: (380-3722)-41917 http://ite.inst.cv.ua .