

Application of Pyroelectric Devices

Security

Area of Application	Actual Cases
Disaster prevention	Early detection of fire Safety maintenance of oil tank Monitoring of air and gas in building equipment
Crime prevention	Invasion alarm Body counter
Search and rescue	Search for victims after fire Search and rescue of victims on sea, in snow, etc.
Environment control	Waste water from plant Hot water draining control Waste oil control

Energy Saving

Area of Application	Actual Cases
Electronic power supply	Effective temperature control of microwave oven, oilstove and other heating equipment Temperature sensor for energy saving design of air conditioner and refrigerator Temperature measuring instruments for motor, power transformer and electronic component
Nuclear Power	Hot waste water control in nuclear power plant Detection of abnormal temperature
Plastic Rubber	Plastic moulding process control such as temperature measurement of moulding resin and die
Automobile	Measurement of automobile exhaust gas Temperature measurement of engine and radiator
Food	Temperature control Packaging process control
Civil Engineering and Construction Agriculture and Atmospheric Condition	Temperature control of freezer Analysis of temperature and gas in greenhouse environment for cultivation
Petroleum and Chemicals	Temperature control of explosive and/or inflammable materials Reaction temperature measurement
Medical Science and Health Care	Measurement of temperature distribution on human body Measurement of human body motion
Metal and Metallurgy Iron and Steel	Temperature monitoring Measurement of temperature distribution Measurement of board thickness Measurement of rod count
Machinery and Processing	Temperature measurement of burning gas Temperature measurement of materials in cutting process Temperature control of oil hydraulic machine