



FACULTY OF ENGINEERING & TECHNOLOGY

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TRANSDUCERS

Electrical Transducers

Electrical transducers are those that respond to changes in physical quantities with electrical outputs. Electrical Transducers are further divided into Passive Electrical Transducers and Active Electrical Transducers.

The following table lists out a few electrical transducers (both passive and active).

Electrical Transducers	Resistive Transducers	Resistance Thermometers
		Resistive Displacement Transducers
		Resistive Strain Transducers
		Resistive Pressure Transducers
		Resistive Moisture Transducers
	Capacitive Transducers	Capacitive Moisture Transducers
		Capacitive Displacement Transducers
		Capacitive Thickness Transducers
	Inductive Transducers	Inductive Displacement Transducers
		Inductive Thickness Transducers
		Eddy-Current Inductive Transducers
		Moving core Inductive Transducers

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Active Electrical Transducers	Photoelectric Transducers	Photoconductive Transducers
		Photoemissive Transducers
		Photovoltaic Force Transducers
	Piezoelectric Transducers	Piezoelectric Strain Transducers
		Piezoelectric Acceleration Transducers
		Piezoelectric Pressure Transducers
	Magnetostrictive Transducers	Magnetostrictive Acceleration Transducers
		Magnetostrictive Force Transducers
		Magnetostrictive Torsion Transducers
	Electromechanical Transducers	Tachometers
		Electrodynamic Pressure Transducers
		Electrodynamic Vibration Transducers
		Electromagnetic Flowmeters
	Ionization Transducers	Ionization Vacuum Gauge
		Ionization Displacement Transducers
		Nuclear Radiation Transducers
		Radioactive Vacuum Gauge
Electrochemical Transducers		