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transducer

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transducer

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[trans-**doo**-ser, -**dyoo**-, tranz-]

Examples Word Origin

noun

1. a device that receives a signal in the form of one type of energy and converts it to a signal in another form:

A microphone is a transducer that converts acoustic energy into electrical impulses.

Origin of transducer

Latin

(<http://dictionary.reference.com/browse/Latin>)

1920-1925

1920-25; < Latin *trānsdūc* (*ere*) to transfer (see traduce
(<http://dictionary.reference.com/browse/traduce>)) + -er
(<http://dictionary.reference.com/browse/-er>)¹

Dictionary.com Unabridged

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Examples from the web for transducer

High-frequency sound waves are directed from a hand-held *transducer* probe to the area.

To do all this, though, you need a device called a *transducer*.

Two metal loops hold it to the sides of the artery, and a pressure *transducer* records the flow of fluids through the blood vessel.

British Dictionary definitions for transducer

transducer

/trænzˈdjuːsə/

noun

1. any device, such as a microphone or electric motor, that converts one form of energy into another

Word Origin

C20: from Latin *transducere* to lead across, from trans- + *ducere* to lead

Collins English Dictionary - Complete & Unabridged 2012 Digital Edition

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Publishers 1998, 2000, 2003, 2005, 2006, 2007, 2009, 2012

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Word Origin and History for transducer

n.

1924, "device which converts energy from one form to another," from Latin *transducere* "lead across, transfer," from *trans-* "across" (see *trans-* (/browse/trans-)) + *ducere* "to lead" (see *duke* (/browse/duke) (n.)).

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transducer in Science

transducer

(<http://static.sfdict.com/dictstatic/dictionary/audio/ahsd/T/T0031300.mp3>)

(trāns-dŏŏ'sər) (<http://content.dictionary.com/help/dictionary/ahsd/pronkey.html>)

A device that converts one type of energy or signal into another. For example, a microphone is a transducer that converts sound waves into electric impulses; an electric motor is a transducer that converts electricity into mechanical energy.

The American Heritage® Science Dictionary

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transducer in Technology

1. A device for converting sound, temperature, pressure, light or other signals to or from an electronic signal.
2. Finite State Machine (<http://dictionary.reference.com/browse/Finite State Machine>). (1995-02-15)

The Free On-line Dictionary of Computing, © Denis Howe 2010 <http://foldoc.org> (<http://foldoc.org>)

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