

Daniel Arpagonare 17/Ene/2021

① Signal processing can be described as a tool to turn measured signals into useful information. In electronics, it is often restricted to digitalization, sampling, filtering and special extraction.

An interface electronics is a ~~logic~~ circuit which is designed according to the type and output of a primary sensing element. Sensors and detector electronics are the most important parts of a measurement system. ~~The functional units of a sensor are~~
The primary sensor/transducer senses the presence of the desired physical or chemical parameter to be measured. The output may (may not be) in a suitable form for further processing. The sensor may either be inductive or capacitive. The output is ^{analog} but digital output for sensor is desirable for easy interfacing, no noise, storing and communication with a digital system.

① Expert system is a computer system emulating the decision making ability of a human expert.

An expert system generally consist of four components which are: knowledge base, search or inference system, knowledge acquisition system and user interface.

The knowledge base represent facts and rules. The inference engine applies the rules to the known fact to deduce new facts.