

Conductivity transmitter working principle

A [conductivity transmitter](#) measures the amount of electrical current in a solution. They are extremely important to many industrial processes especially in the food and beverage, pharmaceutical and chemical industries.

What is a conductivity transmitter?

Conductivity transmitters are used to measure the electrical conductivity in industrial processes where a liquid is utilised. They are used as a way to measure changes in wastewater procedures at water treatment plants and are also common in any water treatment or monitoring application, as well as in scientific and environmental laboratories.

How does a conductivity transmitter work?

Conductivity transmitters are equipped with a probe for on-site measurements. The probe is placed into a liquid to be measured, the transmitter activates a voltage between two electrodes within the probe, this then produces electrical resistance which causes a drop in the voltage. This is then read by the meter.

Conductivity transmitters from BM Engineering

At BM Engineering we supply a huge selection of conductivity transmitters for an array of industries including the chemical, pharmaceutical and food processing industries. We are proud suppliers of Bürkert conductivity transmitters and can assist you with every step of your purchasing journey. We supply the Bürkert type 8285 and 8222 conductivity transmitters and are fully trained in the whole Bürkert portfolio of products.

For more information on the conductivity transmitter working principal or to purchase a Bürkert conductivity transmitter call BME today on **0141 762 0657** or via email sales@bmengineering.co.uk.