

## ADVANTAGES

**Accuracy:** The temperature reading doesn't depend on scale reading and instead shown directly on the display. Hence temperature can be read exactly and accurately.

**Speed:** Digital thermometers can reach a final temperature in 5 to 10 seconds compared to conventional thermometers.

**Safety:** Digital thermometers don't use mercury, hence the hazards of the mercury is eliminated in case the thermometer breaks.

**Strong:** The thermometer doesn't need to be shaken for the proper mercury level, hence the risk of the tube getting broken is eliminated

## APPLICATIONS

**Medical Applications:** The digital thermometers are used to measure human body temperature around 37°C. These thermometers are mostly probe type or ear type. It measures oral, rectal, and armpit body temperature.

**Marine Applications:** Digital thermometers with a high-temperature exhaust gas sensor as the temperature sensor can be used in marine applications for measuring the local temperature.

**Industrial Applications:** Digital thermometers are also used in power plants, nuclear power plants, blast furnaces, shipbuilding industries, etc. They can measure temperature from -220°C to +850°C.