

**Measurement of:** Coefficient of Thermal Expansion (CTE) with respect to Temperature for solids up to 1000°C

**Equipment:** TMA Q 400 EM, TA Instruments, USA

**Property Measured:** Coefficient of Thermal Expansion with respect to Temperature for solids

**Photograph (small size)**



**Basic Principle:** TMA is based on the precise measurements of change in dimension as the sample is heated at a controlled rate.

**Capabilities:** Thermo Mechanical Analysis (TMA) can be carried out for solid samples from ambient to 1000°C.

**Sample Requirement:** Sample requirement is 5 mm square with thickness 4-7 mm.