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# Concrete Thermal Expansion

## HM-251



The HM-251 is built to meet and exceed the standard method of test for Coefficient of Thermal Expansion of Hydraulic Cement Concrete. Each measuring frame is constructed of high grade 304 stainless steel for minimal and uniform expansion. The system includes the measuring frame, cabinet with water bath, temperature controlled heater/cooler, and computer interface.

Not only is the HM-251 built to specifications, but it allows the most user freedom. The unit is computer controlled, allowing the user to insert the sample, push start and walk away. The computer will control the temperature settings, record the compression and expansion, and provide the end CTE data.

### Specifications

Travel Resolution:  $3.1 \times 10^{-8}$  mm  
Total Travel: 1.27 mm  
Water Bath Temperatures:  
10°C - 50°C  
Total Footprint:  
48"Lx24"Wx33"H

