

FULLY AUTOMATIC AUTOCLAVE FOR SOUNDNESS OF PORTLAND CEMENT

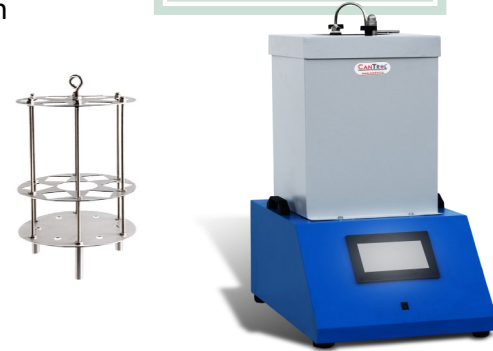
This high quality and durable apparatus has been designed and made by Control Inc. High pressure boiler vessel made from stainless steel with 154 mm internal diameter and 400 mm height. The holding rack has the capacity for 10-cement specimens. The device controls all steps of process base on Standard methods. It is possible to monitor all test progress in 7" touch screen LCD. After finishing all steps, the device would shut down automatically. To achieve the highest safety level during test procedures, it's considered three safety methods: Safety valve, Pressure switch and Software with overload detecting system.

Standards

- [AASHTO M 210](#)
- [ASTM C151/151M](#)
- [AASHTO T 107M/T 107](#)

Model: 2214031

2214032



Description of Autoclave:

All parts in contact with water or heated water are made of 316 Stainless Steel such as pressure vessel, cap, capping nuts, tubes and connectors, pressure transmitter, pressure switch, safety pop valve, air vent valves, electrical Stainless Steel heater and cement specimens holder.

The pressure of vessel (60-300psi), (4-20bar) controlled by software during testing procedures automatically based on standard for more safety. The second pressure switch can cut off the main if the pressure exceeds 20 bar or the third safety device (POP valve) could release the pressure vessel if the pressure exceeds 22 bar due to its setting at 24 bar.

The Stainless Steel tubes and connectors are statically tested and certified in 60bar

The machine is supplied with a wrench, heat resistance O-ring seals (10pcs), heat resistance grease, safety gloves and specimens holder.

Specifications of software and technical data:

- 1- 7 inches TFT Touch Screen ,made in Taiwan (Fatek co.), UL and CSA approved.
- 2- Stainless Steel, 40 bar Pressure Transducer, made in Germany (Wika Co.), UL and CE approved.
- 3- Software designed and made by Control In. based on ASTM and AASHTO standards.
- 4-Save data's up to 500 tests in internal memory and USB,
Drawing pressure-time graph online and save the pressure valve in each steps on the test.
- 4- Model:2214031, 110V, 60Hz.,2.2 KW, 1PH.
- 5- Model:2214032, 220V,50/60Hz., 2.2KW,1PH.
- 6- Dimension: 660x430x900mm ,weight: 160 Kg

