

CTE MODEL 5000 PRESS COMPRESSIVE STRENGTH TESTER



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The CTE Model 5000 Compressive Strength Tester is a hydraulic press using state of the art digital hydraulic control. The Model 5000 Press is used to test the compressive strength of standard-sized two-inch (50mm) long cement cubes in strict compliance with current API/ISO standards specified in API Spec 10A and ISO 10426. Cores up to 7" (180mm) long can also be compressive strength tested. The press has a dual range of 15 to 2000 kN (3,372 and 449,618 lbf).

The Model 5000 consists of a steel load frame assembly, computerized control box with integrated touchscreen, and a highly accurate, highly reliable hydraulic power system. The unit can be easily mounted to the floor or bench of a permanent or mobile laboratory and does not need any additional accessories or cabinetry.

The CTE Model 5000 Compressive Strength Tester features a digital control system with easily programmable continuous force ramping algorithms for accurate and precise detection of compressive strength.

WARRANTY

All CTE products are covered by a full one-year warranty against defect in materials and workmanship. A sales terms, conditions, and warranty statement is included with each quotation or confirmation of order.

FEATURES

- Safety cut-out switch and high strength protective cage for sample.
- Graphical on board printer.
- 2 USB host ports and 1 SD card slot.
- Touch-screen display.
- Internet direct connection for remote assistance.
- Multi-segment programmable Force/Pressure rate control per API/ISO specifications.
- Highly accurate, highly precise compressive strength measurement.
- Heavy duty bench mounting.
- International settings configuration.
- Optional Flexural and Splitting Test (Brazilian) fixtures available.
- Connect a traditional keyboard and mouse or use the on-board Qwerty keyboard.
- Max. vertical height between platens: 185mm; Diameter 153mm.
- Accuracy: Grade 1, 1% of the scale.
- Dual range measuring allows for greater accuracy. 15 kN range can be used on test specimens with lower expected strength values.

SPECIFICATIONS

Input Voltage	230 VAC (±10%) 850W Power Max
Dimensions	24 x 32 x 41 in (62 x 80 x 105cm)
Weight	1750lb (810kg)
Min Loading Rate	13.5 lb/min 0.06kN/min
Max Loading Rate	50,000 lb/min 178 kN/min
Max Force	2000 kN/449,618 lbf

