

AUTOMATIC COMPRESSION TESTING MACHINE



SALIENT FEATURES :

- Automatic Pace Rate Control.
- Least Count of 0.01 throughout the range.
- 5.6" TFT LCD Touch screen.
- Load in Kilo Newton and Ultimate Strength in N/mm^2 .
- Data downloading facility.
- Can store up to 100 Results.
- Quick and Advance Test Modes.
- Two Speed Hydraulic Pump.

DISPLAY :

5.6” TFT LCD TOUCH Screen with resolution of 320x234pixel. It displays load in Kilo Newton, ultimate strengths in N/nm² and Graph.

LOADING UNIT :

Welded load frame fabricated from Mild Steel Plates. Duly Hard-Chromed Cylinder-Piston are fitted at the bottom of the frame with dust cover. Upper platen & Lower Platens are provided with required hardness. Supplied complete with required spacers to test deferent sizes of specimens.

PUMPING UNIT :

Two Speed Hydraulic Pump housed with stepper motors to control the pace rate and pressure release assembly. Fitted with Crompton or equivalent motor works on 230Volts, 50Hz, Single Phase.

MEMORY :

100 Results can be stored with Date of Casting, Specimen ID, Surface Area, Weight, Batch ID and Concrete Grade along with Ultimate Strength & Pace Rate.

DATA DOWNLOAD :

Provided with RS232 to download the stored data in computer.

SAFETY FEATURE :

Provided with front safety door to save user during specimen blast. Incorporated with emergency switch to stop the machine.

PARTICULAR	AIC-CTMFA-P25T.	AIC-CTMFA-P50T.	AIC-CTMFA-P100T	AIC-CTMFA-P150T	AIC-CTMFA-P200T	AIC-CTMFA-P300T
CAPACITY	250kN	500kN	1000kN	1500kN	2000kN	3000kN
LEAST COUNT	0.01kN	0.01kN	0.01kN	0.01kN	0.01kN	0.01kN
RAM DIA	81mm	117mm	165mm	182mm	235mm	260mm
PLATENS SIZE (Min)	SQUARE 150Lx150Wmm	SQUARE 165Lx165Wmm	RECTANGLE 250Lx180Wmm	ROUND 230mm Dia	ROUND 280mm Dia	ROUND 310mm Dia
VERICAL CLEARANCE (Min)	260mm	275mm	310mm	310mm	340mm	375mm
HORIZONTAL CLEARANCE (Min)	180mm	180mm	200mm	215mm	260mm	340mm