

Compression Testing Machines Ideal for site use

Standard: ASTM C39 -AASHTO T22 BS 1610



ACT/AC1500

1500KN & 2000KN Dial gauge Economic Compression Machine

The compression platens are hardened and ground, the lower plate include concentric marks to facilitate the placement of the samples. The upper plate includes a swivel joint system to allow a perfect emplacement. The distance between the compression plates is easily adjusted by the addition of auxiliary reduction platens (that must be ordered separately) made of steel, with centering system and handgrips for removal.

The machine comprises a pump fitted with several pumping elements that allow an even and constant application of the load. The hydraulic cylinder and the ram are made of special steel and ground.

On account of the high pressures involved during the compression test, a special sealing ring has been positioned in one of the slots of the cylinder, so as to reduce frictions to a minimum.

Specifications

Gauges dia.250 mm with specific resistance scales for **cubes 150mm and cylinders dia.150 and 160 mm**

Max.vertical daylight:336 mm

Compression platens dia.216 mm

Gauges divisions:1500 KN div. 2 KN

Hydraulic device to stop the piston 's stroke at its max excursion

Calibration accuracy: Grade 1.0

Max.ram travel 55 mm approx.

Power supply: 220-240 V 1 ph 50 Hz 750 W

Dimensions:650x340x1280 mm (Model ACT/AC1500)

Models with digital unit (ACT/ACD2000) can be used an optional compression device to test mortar prism 40X40X160mm broken in Flexure and optional Flexural device for two point and center point tests on concrete beams 100x100x400/500 and 150x150x600/750 mm

Specifications	ACT/AC1500	ACT/AC2000
Max. Load capacity	1500 KN	2000 KN
Load Range	0 - 500, 0 - 1000, 0 – 1500 KN	0 - 500, 0 - 1000, 0 – 1500, 0 – 2000 KN
Inter Platen separation	500 mm	500 mm
Platen dimensions	400 X 400 250 X 250 mm	400 X 400 250 X 250 mm
Piston travel	150 mm	150 mm
Main body dimensions	650 X 340 X 1280 mm	650X340X1280
Weight	460 Kg	480 Kg