

2000kN Cube and Cylinder Compression Machine

Comtest digital readout, motorised power pack to ASTM C39, ISO7500, BS1881 part 115, BS EN 12390 part 4

Designed to test 100mm, 150mm and 200mm cubes and cylinders up to 320mm long

Fully compliant with BS EN 12390-4 in terms of Force measurement & the stringent stability, alignment & restraint requirements of the Load Frame.

UKAS Calibration

LabQuip can offer a full on-site calibration service to BS EN 12390-4 and BS EN7500-1. Compact Welded steel load frame with a high degree of mechanical stability

- Ball-seated upper platen
- Lower platen, positively located on the loading ram, marked to allow centring of both cubes and cylinders
- Loading ram with cover to prevent debris damaging it during testing and a limit switch to prevent it from exceeding the maximum limit of travel
- Frame fitted with mesh guards at front and rear to protect the operator
- Front guard is hinged for ease of access
- Supplied with 300mm diameter upper and lower platens and 200mm diameter distance pieces to allow for testing cubes and cylinders

Readout

Comtest Digital Readout - for accuracy of results and simplified operation Microprocessor based electronics provide:

- Data monitoring and capture of load signals for:
- Compression range 0 to 2000 kN & 3000kN Flexural range 000.00 to 100.00 kN
- 2 transducers ports for up to 2 frames or low load work in a standard frame
- Calculation of stress upon failure
- Transducer configuration, calibration and linearisation facilities for Compression and Flexural input ranges.
- Data logging: up to 100 test results, time stamped and with all relevant test data results. RS232 Serial communications port for printing test results information or downloading to a PC. 4 row x 20 column LCD screen, with LED backlight
- 16-key pad for set up and usage
- Built in battery backed real-time calendar/clock



Specifications (frame only)

Height	920mm
Width	400mm
Depth	440mm
Maximum vertical clearance	375mm
Maximum ram travel	50mm
Distance Pieces supplied	2 x 50mm, 2 x 80mm

All data-entry and editing functions are available via the 16-key membrane keypad on the front of the digital readout unit.

Motorised power pack

with hydraulic loading allowing fine control, accurate pace regulation and rapid platen approach facility