

Specifications for Flat Jack System:

- 1) Should be able to measure in-situ compressive strength of masonry
- 2) The device should be enabled with digital display and measurements
- 3) Pressure rating: 0 to 50 bar
- 4) Span: 300mm
- 5) Measuring range: 10mm
- 6) Set of five rectangular flat jack: 400 x 200 mm
- 7) Set of five semi oval flat jack: 350 x 260 mm
- 8) Connecting hose (to connect two jacks)

For Load application:

- 9) Hydraulic hand pump with pressure gauge 0-50 bar scale. Complete with integral reservoir and 3 m of flexible hose.
- 10) Hydraulic hand pump, without gauge, complete with integral reservoir and 3 m of flexible hose.

For strain and load measurement:

- 11) Mechanical strain gauge for the measurement of length variation. Measuring base 300 mm x 5 mm range. Digital gauge, 0.001 mm resolution, output for PC connection output for PC (special cable required).
- 12) Tubular electronic extensometer.

Data measurement:

- 13) 8 channels multipurpose data logger (control unit) with software
- 14) Data export to 3rd party software like Matlab.
- 15) Set of four cables for connecting pressure transducers, gauges etc.