

**Product Name :**  
Flexure Testing Machine Digital

**Product Code :**  
NLAB -CONCRLAB120010



**Description :**

Flexure Testing Machine Digital

**Technical Specification :**

Flexure Testing Machine

Frame The versatile load frame is designed for minimum deflection at maximum load resulting in very high accuracy. The load frame is welded steel fabrication carrying the ram fitted to the upper crosshead. All frames have a single acting down-stroking ram with over travel switch protection to shut the machine down should maximum ram travel be reached. The return of the ram is done by dead weight to get maximum accuracy on the load measurement. The load cell is used for load measurements. All flexural frames have been designed to accept all the accessories for flexural and transverse tests. Flexural Frames 100kN capacity and 200kN capacity. Both frames can be connected to any Test International compression machine as a second frame. 2

The main characteristics are:

Two capacity High stability welded assembly

75 and 100 mm piston stroke with safety limit switch

Piston return by dead weight

Can accept all required accessories for mentioned standards

**Power Pack** The dual stage power pack which is controlled by BC 100 is designed to supply required oil to the frames. Very silent power pack can load a specimen between 1 kN/ sec to 20 kN/sec. On the dual stage pump high delivery low pressure pump is used for rapid approach and low delivery high pressure radial piston pump is used for test execution. On all power packs maximum pressure valve is used to avoid machine overloading.

The main characteristics are

Dual stage pump

750 W power

25 litre oil capacity

60-100 mm/min fast approach speed

**Safety Features:** All Test International compression machines are fitted with:

Max pressure valve to avoid machine overloading

Ram travel switch to prevent excessive piston travel

Front and rear gates with transparent durable flexi-glass

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