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Automatic Flexure Testing Machine - 100 kN ZI 2064

Standards: ASTM C 293, ASTM C 496, ASTM C 78, EN 12390-5, EN 12390-6, EN 1338, EN 1340

Specification:

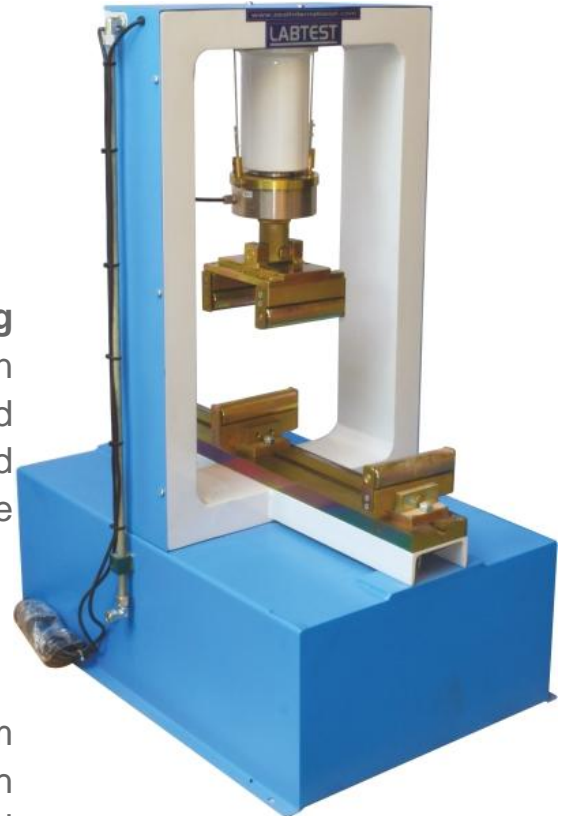
The **Labtest Automatic Flexure Testing machine** is designed perform flexural test on concrete beams, Transverse Test on kerbs and flagstones, indirect tensile tests on concrete and interlocking pavers. Labtest Automatic Flexure Testing Machine consist of three main parts.

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.

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
- Accept all required accessories for mentioned



standards

Data Acquisition & Control System (optional)

LCD graphics data acquisition and controls system is designed to control the machine and processing of data from load cells or pressure transducers installed on the compression machine frame. The easy to read LCD graphic display and touch-button data pad keys make the unit quick and straight forward to operate. All interaction with the measuring system is via the front control panel by using simple menu-driven procedures. The ergonomically designed indicator is contained in light alloy housing. The digital graphic display allows real time load vs time graph. At the end of the test cycle the results can be stored in the memory or downloaded to a PC in Labtest software. Dedicated software package is available for online data processing, database management and certificate printing. Safety features all Labtest flexural machines are fitted with:

- Max pressure valve to avoid machine overloading
- Ram travel switch to prevent excessive piston travel

Specifications:

Capacity	kN	100
Class 1 range	kN	10-100
Resolution		1/65.000
Ram travel	mm	75
Max. Vert. Test space	mm	170
Max. Horiz. Test space	mm	450
Power	W	750
Frame Dimensions	mm	600 x 830 x 1140
Weight	Kg.	180