

**CONCRETE  
PIPE TEST  
MACHINE**



**CONCRETE**

## Concrete Pipe Test Machine



### PRODUCT MODEL

- TMC-3240 | Concrete Pipe Testing Machine 500 kN Capacity
- TMC-3245 | Concrete Pipe Testing Machine 600 kN Capacity
- TMC-3250 | Concrete Pipe Testing Machine 1000 kN Capacity

### STANDARDS

EN 1916 | ASTM C301, C497 | BS 5911 | DIN 4035

### INFORMATION

**Manufacturer :** TESTMAK INS.LAB.MAK.SAN.VE TİC. PAZ. İTH. İHR. LTD. STİ  
**Country of Origin :** TURKEY  
**Product name:** Concrete Pipe Testing Machine  
**Code of product:** TMC-3240, TMC-3245 ,TMC-3250

## Concrete Pipe Test Machine

### DESCRIPTION

The Testmak Concrete Pipe Testing Machines are used for compressive strength tests of concrete and steel pipes whose outside diameters are from 100 mm to 1200 mm. Concrete pipe test machines are manufacturer of capacity of between 400 kN to 1000 kN.

The Concrete pipe testing machines are consisting of a frame and a hydraulic power pack. The frames are rigid 2 column constructions with superior axial and lateral stiffness and are precision aligned.

Pipe Testing Machine frames have to be anchored to concrete base. All required parts to anchor the frame to the concrete base is supplied. The frames without carrying chassis is supplied with V shaped bottom bearers which can be anchored to concrete base.

The rectangular shaped top bearer is detachable from the actuator and the bottom bearer is V-shaped with an angle of 150°. During pipe loading the system permits top bearer to rotate 360 degrees at horizontal plane and allows it to move at vertical plane of a minimum value of  $\pm 8^\circ$ . As an option 3- and 4-point bending accessories are available. Upper crosshead height adjustment is done with electric motor drive for easy and precise test set up and manual through locking pins are used to fix the upper crosshead.

#### LCD Graphics Data Acquisition and Controls System

TMC-304 is designed to control the machine and processing data from load cells or pressure transducers installed on the compression machine frame. Easy to read LCD graphics display and button data keypads make the unit quick and straight forward to operate. All interactions with the measuring system are via the front control panel by using simple menu-driven procedures. The TMC-304 digital allows real time load vs time graph. At the end of the test cycle, the results can be stored in the large memory or downloaded to a PC in TMC-304 software format.

The TMC-304 control console includes a multi-valve hydraulic pump, a safety valve, a pressure relief valve and an oil regulator, which ensures maximum safety and smooth linear loading. The machine can be supplied with standard automatic power pack, dual stage, controlled by TMC-304.

#### Digital Controller Readout Unit

- 240\*120 pixel blue-white graphic LCD display
- High resolution 65.000 points
- Backlight function
- Capability of contrast calibration by light
- 18 key touch membrane keyboard
- CPU card by microprocessor 32 bit ARM risk architecture

## Concrete Pipe Test Machine

- Two analogical and two digital channels, use for load cell or pressure transducer etc.
- Full automatic testing capacity
- Can make manual tests if requested
- A sample type and dimension can be entered with respect to the standards
- Load-Time, Tensile-Time, Test Results and Sample reports observable and printable
- One RS232 serial port and USB for connecting either PC or printer for data transmission
- Comes with Connection cable and software.
- Large permanent memory up to 256 test results
- Easy to operate with 6 main function keys
- Language select, English - Turkish
- Can control two frames

The test frame is delivered in disassembled form and mounted in place in accordance with the instructions. It is possible to add various functions at the request of the customer, as well as purchase only the control system, if the customer already has a test frame.

### TECHNICAL SPECIFICATIONS

Product Code	TMC-3240	TMC-3245	TMC-3250
Capacity	400 kN	600 kN	1000 kN
Piston Stroke	200 mm	300 mm	400 mm
Diameter of tested pipes (max / min)	100/35 cm	150/45 cm	260/45 cm
Maximum length of test tubes	200 cm	250 cm	250 cm
Dimensions	250x160x300 cm	270x250x480 cm	380x260x700 cm
Weight	1380 kg	3750 kg	6800 kg



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**MATERIAL TEST EQUIPMENTS**

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