



### PRODUCT CODE

**NT-S2590** Automatic Digital CBR Test Machine 50 kN 220-240V, 50-60hz. 1ph.

### STANDARDS

AASHTO T193, ASTM D1883 •  
EN 13286-47 • BS 1377-4

### SPECIFICATIONS

The Automatic CBR Testing Machine is specifically designed to measure the bearing capacity of road substructures and soil layers in a laboratory environment. It is particularly suitable for the strength analysis of highway subbases, subgrades, and cohesive materials with a maximum grain size of 19 mm.

The device features a 50 kN capacity double-column test frame with an electromechanical drive, a digital control unit, and high-precision load cell measurement systems. Its user-friendly interface and automated testing features increase test repeatability and accuracy.

The machine is equipped with upper and lower piston travel limit switches.

### Advantages

- ✓ Full automatic test cycle: Load, data-logging and graphs are automatically produced.
- ✓ High Sensitivity:  $\pm 0.1\%$  accuracy with advanced sensor technology
- ✓ Multi Purpose use: Compatibility with ASTM, BS, EN, AASHTO test standards
- ✓ Ease of Use: User-friendly interface and quick installation
- ✓ Robust Frame: Robust and compact design suitable for laboratory conditions



### Technical Specifications

<b>Frame</b>	50 kN capacity, Digital screen
<b>Load Cell</b>	50 kN capacity, high sensitive load cell
<b>CBR Penetration Piston</b>	Complies with the standards
<b>Displacement transducer</b>	25mm x 0,01mm sensitive linear potentiometric displacement transducer
<b>Ölçüler En x Boy x Yükseklik</b>	470 x 610 x 1100 mm ağırlık yaklaşık 80 kg
<b>Voltaj</b>	220-240V 50-60hz. 1 ph