TESTRONIX®
QUALITY TESTING INSTRUMENTS

I-10A, DLF Industrial Area, Phase-1,
Faridabad 121003, Haryana, India
• P : +91 9971040808
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Environmental Stress Cracking Resistance Tester- ESCR

The Testronix Environmental stress cracking resistance tester (ESCR) is one of the most accurate instruments which can be used for testing the impact of plastics, rubber and polymers when subjected to extreme environmental factors. These samples namely rubber, plastics and polymers react differently to the changing environment. It is important for manufacturers to ensure the quality and check the resilience of samples against extreme environmental conditions. The instrument provides and simulates the environmental conditions that these samples are subjected to (for Example humidity, chemical fumes, acid fumes and other physical tension) It is an utmost important instrument to check and analyse the physical properties. After the completion of the test in the environmental stress cracking resistance tester the sample is then analysed and studies. Changes in the physical properties are also examined. This instrument can also help in improving the efficiency and quality of samples.

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Features

- Precise test results under uniform temperatures
- Microprocessor based PID based temperature controller
- Provision of Set Value (SV) and Process Value(PV) on temperature display
- Inbuilt Auto tuning function
- Equipped with heaters heating and maintaining temperature
- Water drain system facility
- Inbuilt Calibration feature
- Stirrer motor for precise stirring of sample inside the tank and for uniformity of temperature
- In built Test tubes to hold samples

Specifications

- Size of Specimen 38 x 13 mm
- Size of Test Tube 165 mm (Length) 32 mm (Diameter)
- Temperature Range (for water) Ambient to 90ºC
- Accuracy ± 2ºC
- Least Count/Resolution 0.1ºC
- Power 15A, 220V , Single phase, 50 Hz
- Heater Capacity 1KW
- Motor Type Stirrer Motor
- Motor Capacity 1/70 HP, 1350 rpm
- No. of test stations 6
- Mild steel powder coated body
- LED Digital Display