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**Product Name :**  
Micro Computer Control Tensile Stress Relaxation Testing Machine

**Product Code :**  
LBNY-0005-1550008



[www.laboratoryinstrumentindia.com](http://www.laboratoryinstrumentindia.com)

**Description :**

Real-time drawing of curves of remaining load with time, or temperature with time.  
Automatically retrieves test data and inspects the stress relaxation performance of the specimen. (e.g. stress relaxation rate, relaxed stress, relaxation rate, etc.)  
Closed test space design reduces the temperature shift resulted from the air flow at the air-conditioner vent, improves the temperature uniformity and stability in the test space.  
Pre-installed with reaction frame, provides more convenience for the load transducer to calibrate.  
Comparing a framed structure with a column-based structure, the framed structure has better stiffness that is over 2.5 times greater than the column-based structure.  
Support for 100-hour tests. Test time can be assigned at will. E.g. 24-hour test.  
Closed loop control of channels such as load, displacement, deformation, etc. Smooth switching in between.  
Splitting the sampling stage into four sub-stages and applies different sampling cycles in consideration of the logarithm characteristic of time, improving the reliability of data greatly.  
Algorithm to predict specimens stress relaxation performance after 1000 hours (or any specified value in hours), with the option of single or double logarithm. Capable of predicting with standard specimen data or real-time collected data (Suggested). Integrated with an extensive specimen library to improve the precision and reliability of testing results.  
As many as 20 layers of sensor linear compensation, elevates the precision of the instruments to the next level.

**Technical Specification :**

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**Laboratory Instrument India**