

Relaxation

EWS RELAXATION TESTING MACHINE... A MUST FOR PC-WIRE MANUFACTURERS

EL-DIGI SCALES IS A LEADING NAME IN INDIA, THANKS TO OUR EXCELLENT QUALITY PRODUCTS, BASED ON OUR TECHNICAL EXPERIENCE EARNED THRO' OUR VARIOUS FOREIGN ASSOCIATES VIZ. CARDINAL SCALE - USA, TOLEDO SCALE CO - USA, MEASUREMATICS INC- USA, PRECISION TRANSDUCERS - NEW ZEALAND , HBM - GERMANY, LOMA LTD. - UK, AWM LTD. -UK, UWE -TAIWAN, KELI ELECTRIC - CHINA, YAOHUA - CHINA ETC



MOTOR CONTROL PANEL

WE HAVE INVENTED MANY NEW PRODUCTS IN LAST 25 YEARS, BASED ON OUR INTERACTION WITH THE CUSTOMERS. ONE OF THE UNIQUE ITEM IS RELAXATION TESTING MACHINE THE RTM

IS USED FOR TESTING LOW RELAXATION PC WIRE TO FIND ITS PROJECTED BEHAVIOR FOR NEXT 100 YEARS. THE WIRE IS GRIPPED IN THE SPECIALISED BARRELS THRO' HIGH GRIP LOW DEFORMATION WEDGES FOR NEAR ZERO SLIPPAGE. THE WIRE IS PUT UNDER TENSION UP TO 70% OF BREAKING LOAD FOR 1000 HRS AND THRO' AUTOMATIC DATA LOGGERS THE TENSION READING IS NOTES WITH TIME AND DATE. EACH READING IS EVALUATED WITH THE INITIAL READING AND THE LOSS IN PERCENTAGE IS CALUCATED BY THE MICRO CONTROLLER. AT THE END OF THE PRESCRIBED TEST HOURS A LOGARITHMIC GRAPH IS PLOTTED MANUALLY AND A SMOTH CURVE IS PRODUCED. THE EXTRAPOLATED CURVE GIVES PROJECTED BEHAVIOUR FOR NEXT HUNDERED YEARS. THE LOSS IN TENSION IS TERMED AS RELAXATION OF THE WIRE.

