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MonTech®
Rubber Testing Solutions

TECHNICAL SPECIFICATION

International standards	ISO 289:2018, ASTM D 1646, DIN 53523, BS 903: Part 58, AFNOR T43-00/005, BS 1673, GOST 10722-76, JIS K6300, TGL 25-689
Test modes	Mooney Viscosity, Mooney Scorch, Stress Relaxation, Mould release, Delta Mooney Mooney Variable Viscosity, Variable test sequence block programming Multi-step stress relaxation
Rotor	Large (38.10 mm) and Small (30.48 mm) Sealed, with longlife seals
Rotor speed	0 to 50 turns per minute, 0.01 steps
Stress Relaxation	According to ISO 289:2005, DIN 53523 Part 4
Temperature control system	Ambient to 232 °C, precision +/- 0.03 °C, digital, microprocessor controlled
Units	Mooney - units (MU), Temperature (°C, °F), Time (min - min / min - sec)
Closing force	11.5 kN

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Die configuration Rotor	According to international standards large (ø 38.1 mm) and small (ø 30.48 mm) Rotor
Force measurement	Force measurement High precision in-line torque transducer
Torque range	0.01 to 230 MU
Sample volume	Two specimens having a combined volume of 25 cm^3
Temperature check system	Recordings of the temperature gradient on the screen, PID microprocessor monitored
Calibration	Fully automatic by built-in calibration weights, Software guided
Data Interface	Ethernet (10/100 MBit), USB (int.), CF card (int.), RS232 (opt.)
Data points	Over 3500 data points available Including: Initial viscosity, ML / ML 1+X, Y+X+Z, Stress Relaxation (log-log), Slope, Intercept, Regression coefficient, Scorch viscosities and cure times
Pneumatics	min. 4.5 Bar / 60 psi