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MonTech®
Rubber Testing Solutions

TECHNICAL SPECIFICATION

International standards	ISO 289:2018, ASTM D 1646, ASTM D 3346, 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
Rotor	Large (38.10 mm) and Small (30.48 mm) Sealed, with longlife seals
Rotor speed	2.00 turns per minute (0.21 Radians / second)
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 - value (MU) | Temperature (°C, °F) | Time (min - min / min - sec / 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	In-line torque transducer
Rotor shaft seal	Standard or longlife seals available
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 (loglog), Slope, Intercept, Regressions coefficient, Scorch viscosities and cure times
Pneumatics	min. 4.5 Bar / 60 psi