

Optimum Cure Analysis System (OCAS) 2010-OCAS



Including temperature measuring system and temperature calibration system.

Feature

- Including temperature measuring system and temperature calibration system.
- Analyzing data according to the test result from Rheometer and from temperature variation tendency.
- Offering CEQ (Curing Equivalent Quantity) or cure rate at any time during curing and the best press on time

Spesification

- Power: 110/220V, 50/60Hz
- Max. 16 channels
- Temp accuracy: 0.01
- Offering both index of CEQ(Curing Equivalent Quantity) and Cure rate, enable user to determine more precisely the cure time.

Rubber Process Analyzer [RPA] UR-2020



The standard UR-2020 consists of one main testing unit and one subunit of control and data analysis equipped with one 1GB compatible computer, 19" colour monitor, 80GB HDD, one HP-D2560 colour jet printer, and one 16X DVD-ROM.

Feature

- The standard UR-2020 consists of one main testing unit and one subunit of control and data analysis equipped with one 1GB compatible computer, 19" colour monitor, 80GB HDD, one HP-D2560 colour jet printer, and one 16X DVD-ROM.
- Operation System?Microsoft Windows XP.
- Language?English
- Manufacturing Standards?in compliance with ASTM D5289 ,D6204, D6601
- Temperature?From room temperature to 250?, PID control. Decreasing temperature by air cooled; The heating and cooling speed can reach 1?/sec.
- Temperature accuracy?within ± 0.3 ?
- Temperature display resolution?0.1?
- Oscillating frequency : 0.03Hz to 33Hz(2 – 2000mpc), at 0.02Hz increment.
- Torque Range?preset at 25,50,100,200 in-lb; or discretionary at user's pleasure
- Torque unit?in-lb., cm-kg., or dN-m.
- Oscillating angle : $\pm 0.05^\circ$ to 90° of arc ($\pm 0.07\%$ ~ $\pm 1256\%$), at 0.14% increment.
- Frequency/Angle limit: Limited by frequency(cpm)*angle ($^\circ$ of arc)=2047
- Motor: Direct Drive Servo Motor, angle resolution: 650,000pulse/rev
- Temperature controller: Micro temperature controller, reactive time 50ms.
- Torque sensor: Resolution can reach 0.2%
- Electricity Supply?AC120V $\pm 10\%$, 50/60Hz $\pm 3\%$, 15A, Single Phase.
Others are selectable by order.
- Air pressure Supply?4.5kg/cm² or 65 Psi (Air-compressor is to be user's own equipment.).
- Size of Specimen: about 5cm³.

Spesification

- Partially supposed variable test parameters have been built up in advance, can directly loading or revising condition to carry out the test.
- Can adopt the optional UCAD software to choose the excellent formula-matching and experimental recommendations.
- Using the precise electronic circuit to isolate various kinds of noises; getting good performance in reproducibility and repeatability by our exclusive DSP analysis program.
- Automatically torque value and loss angle calibrating.

Aging Oven Tester UA-2071



Aging oven is used for degradation study of plastic & rubber when the heat is subjected to a rotational condition for a specific time. Theoretically, a test session in 70°C for 24 hours straight is equivalent to six months of exposure the specimen in normal conditions.

Feature

- Aging oven is used for degradation study of plastic & rubber when the heat is subjected to a rotational condition for a specific time. Theoretically, a test session in 70°C for 24 hours straight is equivalent to six months of exposure the specimen in normal conditions.
- Viewing window in the test chamber.
- High precision and stability temperature provided.
- Even flow through test chamber

Abrasion Resistance Tester (DIN type)

UA-2076



UA-2076 DIN type Abrasion Tester is designed according to the DIN-53516 standard.

Feature

UA-2076 DIN type Abrasion Tester is designed according to the DIN-53516 standard.

The main function is to use specified sand paper to rub the surface of specimen, and after a setup abrasive distance, evaluate the following conditions of the surface after test:

1. Worn out condition
2. The loss of the weight
3. The loss of the physical volume
4. The thickness that been worn out, etc.

By using NBS Standard rubber to ratio the endurance characteristic of abrasion for this material.

Pneumatic Cutter UA-2222



Special designed rheometer for silicon rubber testing.

Feature

- Dimension : 835 (H) x 390 (L) x 420 mm (W)
- Electric Power : AC220 10?, 50 / 60Hz +3Hz, 7A, Single phase.(Or discretionary at user's pleasure)
- Air Pressure Suppey : 65Psi or 4.5kg / cm² (Air-compressor is to be user's own equipment)
- Net Weight : approx. 110kg

Oil Bath Tester UA-2072



The oil bath tester is for testing the oil enduring value of sample material, and the PE/PVC plastic tube's changing rate of linear measurement under hot temperature.

TH210 Shore Durometer



TH210 is a digital Shore D hardness tester. It has the advantage of precise measurement, being easy to operate, being convenient to carry, attractive appearance and so on. It is a digital durometer for hardness testing of hard rubber, plastics and such substances.

Feature

- Digital durometer for Shore D hardness testing
- Pocketsize model with integrated probe
- Standards: DIN 53505, ASTM D 2240, ISO 7619, JIS K7215
- RS232 data output
- Operating stand optional
- Bright & clear LCD display
- 300 hours continuous use with standard batteries
- Automatically switch off
- Battery low indication and alarm