SCT-ECO Stress Crack Tester (12 Positions)

- For testing the Stress Crack Resistance of Carbonated Soft Drink Bottles

Multi-position design

Control panel

The AT2E SCT-D Stress Crack Tester is designed to test the internal stress in bottle base and for determining the stress crack resistance of blow-molded PET carbonated soft drink bottles by measuring the propensity for base cracking upon exposure to an aqueous sodium hydroxide solution under a controlled environment, so that to estimate the long term behavior of bottles.

Attributes:

- Multi-position design, more convenient and efficient (Please consult AT2E for other position request).
- High quality stainless steel frame which is safe and durable.
- Superior controlling components ensures the accuracy and durability.
- Flexible position selection - each position can be controlled separately manually. Users can enable the positions (from 1 to 12) according to their test request.
- Suitable for testing various size of bottle.
- Total mechanical design and electricity free, more compatible and adaptable to different working environments
- Corrosion-resistant design
- Anti-explosion and clear observation window which is safe and easy to observe the sample status during a test.
- Various safety designs.

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Technical specifications:

- Testing pressure: 0 - 6 Bar (Please consult AT2E for higher pressure request)
- Accuracy: Testing pressure: ± 0.5% F.S.
- Display resolution: 0.2 Bar
- Pressure units: Bar / psi
- Sample range: 60 - 125 mm in diameter / 160 - 350 mm in height (Please consult AT2E for larger sample)
- 10” LCD touch screen display
- Recommended solution: Sodium Hydroxide (NaOH) Solution 0.200%
- Recommended operating temperature: 5 - 50 °C
- Air supply: 7 - 8 Bar (Air supply ⩾Max. testing pressure)
- Overall size: 1100 x 860 x 1150 mm (W x D x H)
- Net weight: 130 kg