



1.1 Main Functions

- 1) Closing and opening time measurement of 12 channels
- 2) Max difference of closing or opening time measurement of three phases
- 3) C-O and O-C time measurement
- 4) Rated operation sequence test
- 5) Bounce time and frequency measurement of breaker closing
- 6) Circuit breaker closing and opening speed measurement
- 7) Travel-time, coil current-time curve of circuit breaker operation measurement
- 8) Travel and clearance of circuit breaker measurement
- 9) Variable DC circuit breaker operation power supply
- 10) Closing arc resistance value and connected time measurement
- 11) Closing time and opening time of graphite circuit breaker measurement
- 12) Print test results by internal micro printers

1.2 Technique index

- 1) Time measurement range: 400ms, resolution 0.1ms
Time measurement error <math>< 0.2\text{ms}</math>
- 2) Speed measurement:
Range 2m/s resolution 0.01m/s max error<math>< 0.1\text{m/s}</math>
Range 20m/s resolution 0.01m/s max error<math>< 0.2\text{m/s}</math>
- 3) Travel measurement:
Range 50.0mm resolution 0.1mm max error<math>< 1\%RDG + 0.1\%FS</math>
Range 300.0mm resolution 1mm max error<math>< 1\%RDG + 0.1\%FS</math>
Range 600.0mm resolution 1mm max error<math>< 1\%RDG + 0.1\%FS</math>
- 4) Coil current measurement range 20.00A, resolution 0.01A, error 2%RDG+0.2%FS
- 5) Closing resistance value measurement range: 100~ 10000 ohms, error: 5%RDG
- 6) DC Power out: DC30V~250V/20A (instantaneous)
- 7) Travel sensors configuration: angle, acceleration and line (optional)
- 8) Test standard: IEC62271
- 9) Power supply: AC220V \pm 10% 50Hz/60Hz
- 10) Temperature: 0~50 $^{\circ}$ C humidity: <math>< 85\%</math>
- 11) Size: 360mm \times 280mm \times 300mm
- 12) Weight: 10kg

