



5 HEADS RCCBs-RCBOs TEST EQUIPMENT

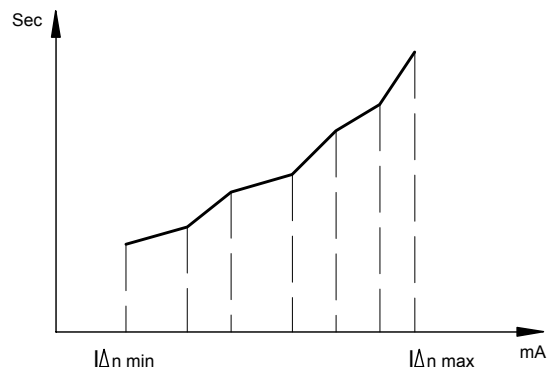


ELTEC RCCBs-RCBOs test equipment, can perform the verification of circuit breakers, with 2-3-4 poles, with a residual current protection between 10mA and 500mA rms. It is equipped with 5 mechanical heads, completely independent among them, which can work simultaneously.

The circuit breaker, when inserted inside the mechanical head, is locked and the test starts. The test procedure can be fully customized by the user. The tests that may be performed include:

Residual current verification

A residual current is applied, delivered through a ramp composed by five segments with current and length customizable, as shown in figure:



The test returns the residual current at which the circuit breaker trips.

Break time verification

The nominal residual current is applied, and the test returns the break time.
This test can be also performed in CO mode

Residual non-intervention current verification

A non-intervention residual current is applied, and the equipment verify that the circuit breaker not trip. This test can be also performed in CO mode

Internal resistance measurement

The TEST BUTTON of the circuit breaker is pushed by a pneumatic cylinder, and the internal resistor value is measured.

TEST BUTTON verification

A sinusoidal voltage is applied (195V or 440V), and the equipment will verify the opening of contacts at TEST BUTTON pressure.

Pole closing order verification

The switch is mechanically armed, and in the meantime the equipment find the first pole to close.

Torque measurement (optional)

The switch is mechanically armed, and the engine torque is calculated and compared with the maximum value allowed by user parameters.

The equipment is controlled and programmed by an external Personal Computer plugged in Through a USB cable. By PC you can also export in a database all working data and statistics.

Set parameters:

Current ramp customizable in five steps

Minimum and maximum trip current allowed (mA)

Maximum Delta between consecutive verifications allowed.

Minimum and maximum break time allowed

Number of consecutive verifications needed

Non-intervention current

TEST BUTTON voltage selection (195V-440V)

Minimum and maximum internal resistance allowed

Minimum and maximum engine torque allowed

Selecting between different waveforms: Sinusoidal, positive half-wave, negative half-wave, positive 90°, negative 90°, positive 135°, negative 135°, positive half-wave + DC, negative half-wave +DC

Technical specifications:

<i>Power supply</i>	<i>220÷230Vac 50/60Hz</i>
<i>Max power</i>	<i>1KW</i>
<i>Maximum differential current</i>	<i>3A rms</i>
<i>Dimensionsi(HxWxD)</i>	<i>1500x2000x1000 mm</i>
<i>Weight</i>	<i>400Kg</i>