

S40A available test modules

SN.	Module type	Function
1	AC relay	Manually test AC type relays
2	AC time	Test AC relays' operation time
3	DC relay	Manually test DC type relays
4	DC time	Test DC relays' operation time
5	RAMP	<p>User can select one of the following quantities to perform Ramp test</p> <ul style="list-style-type: none"> ● Uab (AC or DC) ● 3 phase AC currents ● One DC current source <p>Available variables for RAMP test include amplitude, phase angle and frequency.</p>
6	Under frequency (df/dt)	This unit can test the pick-up value, trip time, df/dt setting, voltage/current blocking value
7	Circuit breaker operation	This module is used to check the transmission line protection relay scheme. User can set zone setting so simulate fault, checking relay operation and auto re-closing function. Actual circuit breaker operation can also be included. In case no circuit breaker operation is allowed user can use our Circuit Breaker Simulator for the same test purpose.
8	Report	The test results can be transferred to external PC via USB port.
9	Harmonics	The 1 st , 2 nd , 3 rd and 5 th harmonics can all be generated
10	Synchronizer	Check the function of synchronization device

Note:

1. The modules from 1-8 are included in present S40A delivery. If the customer needs **Harmonics** and **Synchronizer** modules, two other modules have to be removed
2. **Report** module takes the memory space equivalent to two test modules. If **Report** module is removed then the **Harmonic** and **Synchronizer** module can be added