

Switch Analyser SA5A unit

[Print](#)



For professional circuit-breaker analysis

The SA5A has been developed for professional users that wish to fully analyse their medium voltage circuit breakers.

Expand the contact timing tests to include travel results

It only weighs 8,3 kg. The versatility and precision that this unity offers is without question unchallenged, and it will indeed be your best partner when testing circuit breakers. Tests in areas with high induction at known problematic substations, has proven the SA10 to be the only circuit breaker timer that could withstand these extreme conditions. It's rugged, it's small and highly appreciated by our customers.

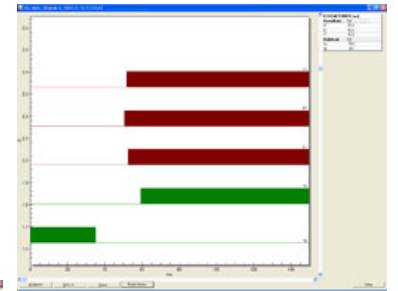
No. 1

"SA5A is our no.1 for complete analysis of medium voltage circuit breakers in rough environments."

Elcon AB

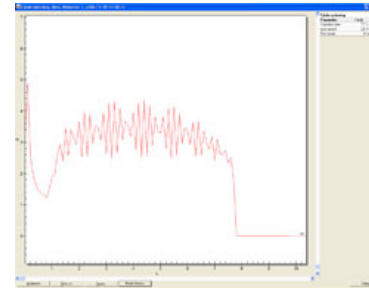
Contact timing

Three contact input modules of SA5 are designated to be used as main contact channels, and three are designated for auxiliary contact use. It is possible however, by using BTS11, to dedicate any of the six channels to handle either. Number of main contact timing channels: 3(6) Number of auxiliary contact channels: 3 (The aux inputs can also be used as main contact inputs).



Coils and motor

Automatic measuring of circuit breaker coil and motor current/voltage. Together with an adjustable power unit it is very easy to perform minimum function voltage test on the coils. The SA5 uses 1 analogue channel to measure coil voltage and current, and 1 channel to measure motor voltage and current. For the coil, 35 A AC/DC is possible for continuous measurement, and for the motor, 50A AC/DC. However, if necessary, higher currents will pass for shorter periods.



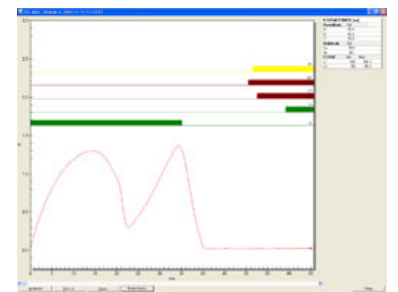
Motion measurements

The SA5 supports both analogue and digital transducers. A wide range of transducer fastenings can also be supplied.

Elcon International is the official world wide supplier of transducer fastenings for ABB Breakers. Number of digital transducer inputs: 1 Number of analogue transducer inputs: 1

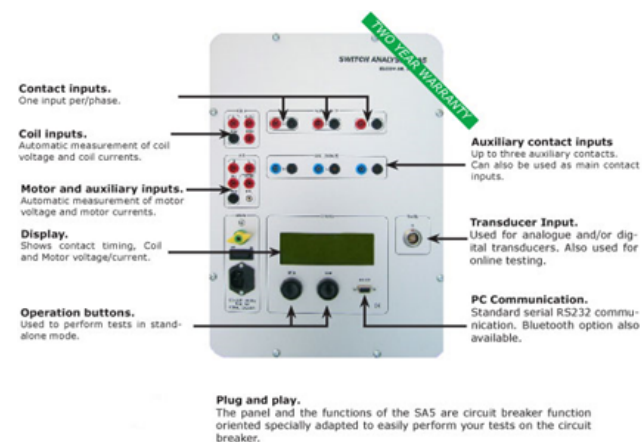
Analog inputs

All in all, the SA5A has 9 analogue inputs, However, since our intention is to provide you with a test equipment that is user-friendly and circuit breaker oriented, they have been preset to handle specific relevant functions such as coil and motor voltages, currents, analog motion transducers etc.



Some SA5A features

- The well-known powerful analysing software BTS11 included.
- Built in a small metal carrying case. Accessories fits in the lid.
- Fully compatible with our factory line test equipment.
- Supports both digital and analogue transducers.
- Weighs only 8,3 kg.
- Automatic measurement of coil and motor current/voltage



Both side grounded

To ensure the highest possible level of personal safety during testing is it recommended to have the circuit breaker grounded on both sides. With the DCM unit it is very easy to fulfill the safety standards.



Communication

Communication from PC with SA5A can be made with either RS232-DB9 or USB. However, in order to comply with safety regulations a Bluetooth communication kit is available, which allows communication with PC up to 100 meters away from the SA5A.

Further functionality

The SA5A is intended to be used together with medium voltage breakers or if you only wish to perform basic testing on high voltage breakers. Should you have increased testing requirements, we recommend our field test equipment SA10.

SKU S07

Brand Elcon AB