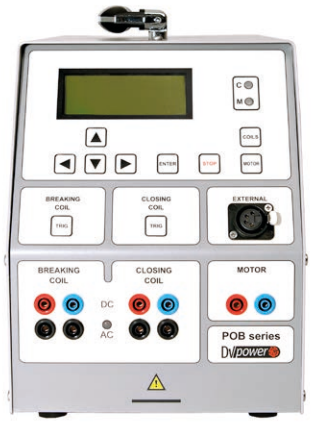
POB series – AC / DC Power Supply for Circuit Breaker Testing

The Coil Tester & Power Supply POB series instruments are powerful, lightweight, variable voltage power supply units ideal for testing circuit breakers, where substation battery is not connected or available. They are intended for operating breaker coils and spring-charging motors as a part of commissioning and maintenance testing. These devices are compatible with breaker analyzers from different vendors and eliminate use of station batteries during testing.



Highlights

- Lightweight – only 10.6 kg (23.4 lbs)
- Minimum trip voltage test of the circuit breaker's coils
- Power supply for spring-charging motors
- Providing a power supply during a test with breaker analyzers from different vendors

Main Features

- Powerful up to 40 A
- Lightweight
- True DC ripple-free voltage
- DC Voltage from 10 V to 300 V
- AC Voltage from 10 V to 250 V

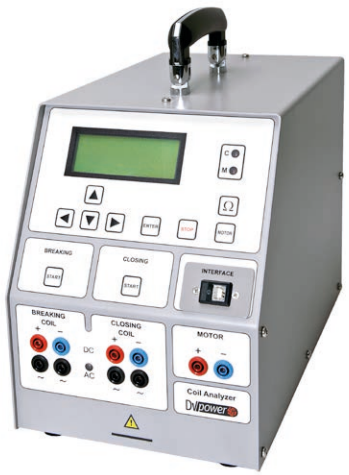
	Max DC Current	Max AC current	Output DC Voltage	Output AC Voltage
POB30AD	30 A	12 A	10 V – 300 V	10 V – 250 V
POB40AD	40 A	15 A	10 V – 300 V	10 V – 250 V
POB40ADL	40 A	15 A	1 V – 50 V	1 V – 40 V
POB50ADL	50 A	15 A	1 V – 50 V	1 V – 40 V

	Max DC Current	Output DC Voltage
POB30D	30 A	10 V – 300 V
POB40D	40 A	10 V – 300 V
POB40DL	40 A	1 V – 50 V
POB50DL	50 A	1 V – 50 V

SAT Series – Circuit Breaker Coil Analyzer

These devices perform circuit breakers testing when a battery is either not connected or not available. They are compatible with breaker analyzers from different vendors as well. Tests can be performed in a stand-alone mode or connected to a PC running the DV-Win application set of functions. This instrument type can perform very efficiently as a combination with the CAT device models. This way test duration is significantly reduced. It is capable of connecting to a PC running the DV-Win set of applications enabling test step control, results extraction, storing, editing and displaying.

In addition to POB supported features the SAT series provide a Coil Resistance Measurement and Under Voltage Release test.



		SAT30A	SAT40A
Load voltage	**Max load interval**	**Max Current**	**Max Current**
110 V	20 sec	24 A	30 A
110 V	60 sec	20 A	24 A
220 V	20 sec	12 A	15 A
220 V	60 sec	10 A	12 A

Technical specification SAT Series

Power Output		
Coils output DC voltage	10 V DC - 300 V DC	
Coils output AC voltage	10 V AC - 250 V AC	
Motor output DC voltage	10 V DC - 250 V DC	
Coil resistance measurement		
Measuring range	**Resolution**	
0.5 Ω - 99,9 Ω	0.1 Ω	
100 Ω - 999 Ω	1 Ω	
Minimum trip voltage - fully automatic test		
Start voltage	10 V - 299 V DC	10 V - 249 V AC
Stop voltage	11 V - 300 V DC	11 V - 250 V AC
Step voltage	1 V - 20 V DC	1 V - 20 V AC
Typical accuracy	± (0.25 % rdg + 0.25 % FS)	
Operating temperature	-10° C – + 50 °C	

Highlights

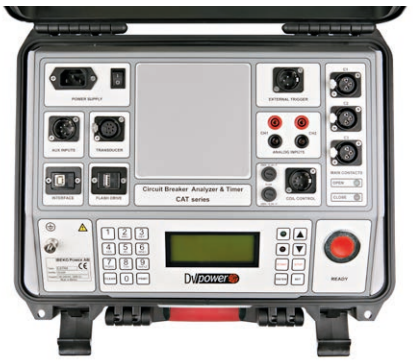
- Lightweight – only 9.20 kg / 20 lbs
- Coil current measurement
- Coil resistance measurement
- Minimum trip voltage test of the circuit breaker's coils
- Undervoltage release test
- Supplying spring-charging motors
- Providing a power supply for breaker analyzers from different vendors

CAT series - Circuit Breaker Analyzers and Timers

These devices are either standalone or PC controlled digital instruments for circuit breakers' condition assessment. The robust design incorporates cutting edge technology with latest enhancements for safe and fast testing of medium or high-voltage circuit breakers with live or dead tank design.

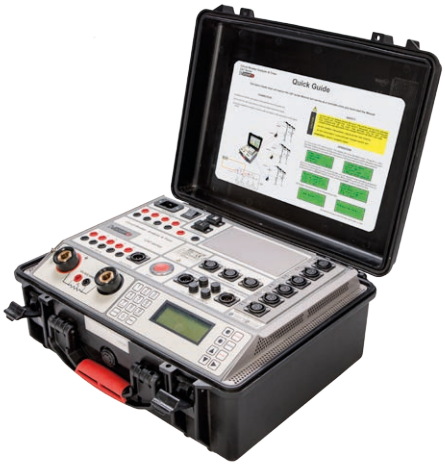
The user can select any desired operational mode: Close (C), Open (O), Close-Open (C-O), Open-Close (O-C), Open-Close-Open (O-C-O). Test results can be stored in the instrument's internal memory, an USB memory stick or printed on a thermal printer (optional accessory) in both tabular and graphical form.

Circuit Breaker Analyzer & Timer CAT64



- Safe and fast testing with BSG (Both Sides Grounded)
- Simple & easy to operate
- Timing and motion measurement
- 6 timing channels (3x2) for main and resistive contacts
- 3 timing channels for auxiliary inputs
- Resistance measurement of pre-insertion resistors
- 4 Analog inputs + 1 Transducer input
- Supports both digital and analog transducers
- Detailed analysis of test results using DV-Win software

Circuit Breaker Analyzer & Timer CAT126



- Safe and fast testing with BSG (Both Sides Grounded)
- Timing and motion measurement
- 12 timing channels (3x4) for main and resistive contacts
- 6 timing channels for auxiliary inputs
- 3 transducer input channels
- 4 additional analog input channels
- Built-in Micro Ohmmeter 500 A
- Dynamic resistance measurement
- Detailed analysis of test results using DV-Win software