



Circuit Breaker Analyzer & Timer CAT60

- Simple & easy to operate
- Timing and motion measurement
- 6 channels (3x2) for main contacts
- 2 channels for auxiliary inputs
- Analog input
- Results printed on 112 mm thermal printer
- CATWin software for detailed analysis of test results



CAT60 is based on state of the art technology, using the most advanced switch mode technique available today. CAT60 is a digital instrument for condition assessment of circuit breakers. It measures timing and records graphs of coil currents and displacements of moving parts of a circuit breaker. Two contacts per phase are measured and recorded plus additional auxiliary contacts. CATWin software provides full control of all CAT60 functions over PC and monitoring of test results.

Main Contact Inputs

- Number of channels 6 (3 x 2), 2 per phase. Each channel detects Main and Pre-insertion resistor contacts.
- Closed $\leq 10 \Omega$, Resistor contacts range 10Ω to $5 \text{ k}\Omega$, Open $\geq 5 \text{ k}\Omega$
- Open circuit voltage 24 V; Short circuit current 100 mA
- Each input group is isolated with respect to the others

Time Measurement

- Time measurement resolution: 0,1 ms for 2 s test duration; 1 ms for 20 s test duration; 10 ms for 200 s test duration;
- Time accuracy 0,05% of the reading \pm resolution

Auxiliary inputs

- Number of channels: 2, galvanically isolated

- Contact sensing (dry):

Closed $\leq 600 \text{ Ohm}$, 30%

Open $\geq 600 \text{ Ohm}$, 30%

Open circuit voltage 24 V DC,

Short circuit current 25 mA

- Voltage sensing (wet):

Range from 5 VDC to 360 VDC or 4V AC to 250 V AC

Open indication $\leq 5 \text{ V}$

Close indication $\geq 12 \text{ V}$

Coil Operation

- Number of channels: 2 (Open and Close coil)
- Two separate outputs for coil triggering
- Minimum trip voltage test

Current Measurement

- Current measurement for Open and Close coil, 2 channels, Hall-Effect sensor
- Range $\pm 35\text{A}$ DC to 5 kHz
- Accuracy 1%
- Graphic presentation: waveform of currents is displayed with resolution of 0,1 ms

Breaker Operation

- Close (C), Open (O), Close-Open (C-O), Open-Close (O-C), Open-Close-Open (O-C-O)
- User can select any desired test sequence

Digital Transducer Input

- 1 digital travel transducer channel;
- Digital rotary transducer: Type RSI 503 2500ppr.

Printer

- Thermal printer
- Graphic and numeric printout of contact and travel wave form
- Paper width 112 mm (4,5 inch)

CATWin software

- User friendly software
- Complete control of CAT60 during the testing
- Complete analysis of tests results
- Test results can be edited, exported, printed, saved
- Database for managing and analysis of all testing

Specifications are subject to change without notice.



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