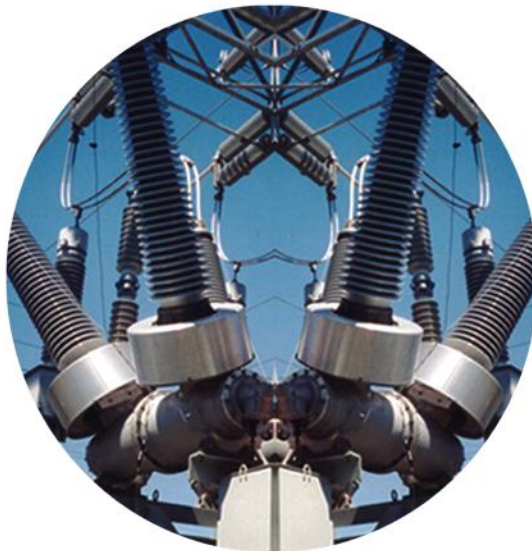


# KIT MO-SD

## STATIC AND DYNAMIC MICRO-OHMMETER



# What is the Kit MO-SD?

Dynamic Contact Resistance Measurement (DCRM) is a widely recognized method to determine the condition of a breaker's main and arcing contacts, without opening it. The DCRM test (KIT MO-SD) is the ideal tool to measure contact resistance as a function of time.

For circuit breakers, this resistance may be measured either at the rated speed or at slow speed, during an open operation.

We recommend to run the test at a slow speed, if a problem is detected, before opening the breaker.



Detected problems	Static micro-ohmmeter	Dynamic micro-ohmmeter
Arcing contact wear		✓
Arcing contact length		✓
Main contact wear	✓	✓
Bad contact alignment		✓
Bad contact adjustment		✓
Hot spots (high joint resistance)	✓	✓
Contact fingers		✓
Contact surfaces		✓
Blasting nozzles		✓
Crossing joints		✓





# Technical specifications

## KIT MO-SD

www.zensol.com www.zensol.net

### TECHNICAL SPECIFICATIONS

- Recording time: 10ms to 17min
- Measurement range: 5 micro-Ohms to 1 Ohm
- Resolution 0.1 Ohm
- Accuracy  $\pm 0.5\%$
- Utilizable : CBA, CBV, OTM-X or CB11

### ZVS-100/200 VOLTAGE MEASUREMENT MODULE:

- Input voltage 0-300mV or 0-20mV
- Output voltage: 0-10V
- Accuracy ( $\pm 0.2\%$ )
- Low temperature drift
- High speed transfert
- Powered by Zensol instruments (CBA, CBV, CB11)
- Size: 5.5 x 3.15 x 1.77 inches (140x80x45mm)

### ZCS-100/200/600 CURRENT MEASUREMENT MODULE:

- Measurement range: 0-100A
- Galvanically isolated
- Accuracy ( $\pm 0.2\%$ )
- Linear ( $< 0.1\%$ )
- Low temperature drift
- High speed transfert
- Powered by Zensol instruments (CBA, CBV, CB9)
- Size: 5.9 x 3.15 x 1.77 inches (150x80x45mm)



Ref: EXT-CONT-N-10/25



Ref: CONT-10-M

35 or 50 feet  
10.66 m or 15.24 m  
Ref: CAB-PS-B-35/50  
Ref: CAB-PS-R-35/50



Carrying case for easy transport

### PS-100 Manual DC current source

- Adjustable current output: 40-100A
- Adjustable voltage output: 2-5.5 VDC
- Universal power input: 90-264 VAC, 47-63Hz
- Operating temperature:  $-30/+70\text{Deg}^{\circ}\text{C}$
- Accuracy: 0.5%
- Quick and simple cable connections
- Size: 12.6x6.7x3.46 inches (320x170x88mm)
- Weight: 8.8 lb (4 Kg)

### PS-100-2 Manual/programmable DC current source

- Adjustable current output: 0-100 A
- Adjustable voltage output: 0-8 VDC
- Standard digital interfaces – USB/RS232/485
- Power input: 110-240 VAC, 47-63 Hz
- Operating temperature: 0-50 DegC
- Accuracy: 0.5%
- Size: 18.9 x 8.4 x 1.7 inches (479.2x214.2x43.6mm)
- Weight: 9.92 lb (4.5Kg)

### PS-200 Manual/programmable DC current source

- Adjustable current output: 0-200A DC
- Adjustable voltage output: 0-8 V
- Standard digital interfaces– USB/RS232/485
- Isolated analog interface and Ethernet LXI
- Universal power input: 85-265 Vac, 47-63 Hz.
- Operating temperature: 0-50 DegC
- Accuracy: 0.5%
- Size: 16.8 x 1.7 x 19.0 inches (429 x 43.6 x 483 mm)
- Weight: 22 lbs (10 kg)

### Conducting cables:

- AWG 4/0
- Carolprene® 105°C, black
- Operating temperature:  $-50^{\circ}\text{C}$  à  $+105^{\circ}\text{C}$
- 600 Volt cable
- Resists water, sunlight, oil, acids, alkalis, heat, flame, moisture and chemical solutions
- Exceeds MSHA flame resistance standards

### Carrying cases:

- Z-VAL-4 for PS-100
- Z-VAL-6 for PS-200