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VAREG®

Micro-Ohmmeter VG-CS200-600

- ▶ 200A unlimited continuous mode
- ▶ Measures with both sides grounded
- ▶ Comfort Push/Pull connections
- ▶ Ext. Pt-100 Temperature comp.
- ▶ Remote control
- ▶ Thermal printer
- ▶ USB PC-Interface



Technical description

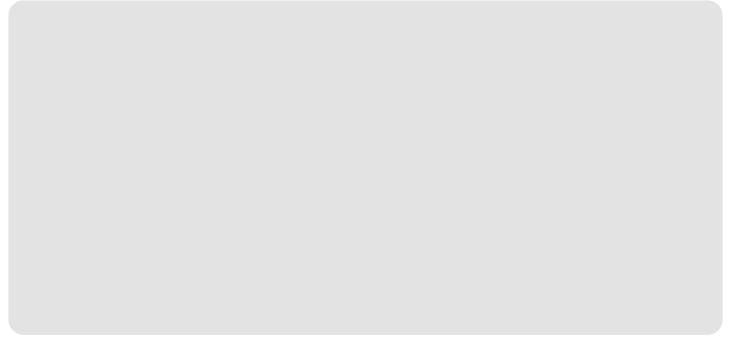
The micro-ohmmeters VG-CS200 is used for ohmic measurements of high power switches etc. The strengths of the instruments are the easy handling, rugged design and low weight.

Designed for continuous measurements, the instruments have no limitation for the numbers of measurement cycles.

An internal thermal printer is standard to enable logging of test results.

The VG-CS200, with a weight of 8kg only, makes it very handy and easy transportable. Typical applications are ohmic tests of:

- Circuit breakers
- Disconnecting switches
- High current busbar joints
- Cable splices
- Welding joints
- Ground connections



Comfort High-Current connection

The high quality and unique locking system from Multi-Contact operates on the «push-pull» principle. It is self-locking when connected. Disconnection is effected by an axially displaceable coupling ring: first push, then pull to disconnect.



Measuring ranges:	0...20.0μΩ, 0...200.0μΩμ, 0...2.000mΩ, 0...20.00mΩ, 0...200.0mΩ 0...999.9mΩ
Displays:	<ul style="list-style-type: none"> • 4-line LCD display with 4x20 characters in dark grey with yellow back light, character size: 3.0 x 5.5mm • Red LED-display with 2x4 characters for the test current and the resulting measuring result, character size: 5.5 x 10.4mm
Display resolution:	0.1μΩ ... 0.1mΩ
Accuracy:	0 ... 1000μΩ, @ 200A/25°C = ±0.05% FS 1 ... 25mΩ, @ 200A/25°C = ±0.2% FS 25 ... 999mΩ, @ 5 - 200A/25°C = ±0.5% FS
Reproducibility:	<0.1%
Measuring current:	5A ...205A for VG-CS200
Maximum test voltage:	5V
Current ramp:	The test current rises by a linear ramp, holds on the preselected value and falls back by linear ramp.
Measuring interval:	No limitation of the numbers of current cycles @ 200A for the VG-CS200
Result log:	The last 100 data sets are stored.
Sense input:	Independent from polarity, with banana jack
Input voltage:	Max. 5V
Input impedance:	41kΩ
Shunt output:	Banana jack red = plus, banana jack black = minus
Shunt voltage:	60mV @ 200A for VG-CS200
Data interface:	RS232/V24 & USB
Date/time:	The instrument has a battery buffered real time clock
Buzzer:	An acoustic click notifies a keyboard operation or an ongoing test
Ambient temperature:	-40°C ... +60°C
Humidity:	Max. 95% non condensing
LVD:	EN 61010-1:2001
EMC:	EN 61326:1997 + A1:1998 + A2:2001 + A3:2003
Printer:	24-characters, thermal paper
Unit manipulations:	By keyboard
Manipulations:	Menu operated, easy to use
Power supply:	100...240V, 16A, 50-60Hz
Power consumption:	1530W @ 5V for VG-CS200,
CE-conformity:	Fulfilled
Dimensions:	L x W x D: 305 x 295 x 235 mm
Weight:	8 kg (VG-CS200), 13 kg
Warranty:	
Software (optional):	PC software to transfer and log stored data sets, Order No: VG-CS WIN
Accessories:	<ul style="list-style-type: none"> - Customer specific changes - Without thermal printer - Other ramp times - Current clamp 0...20mV/A, to measure grounded systems

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