Accc-Ohm 200 Series 2™

10 to 200-Amp Micro-Ohmmeter

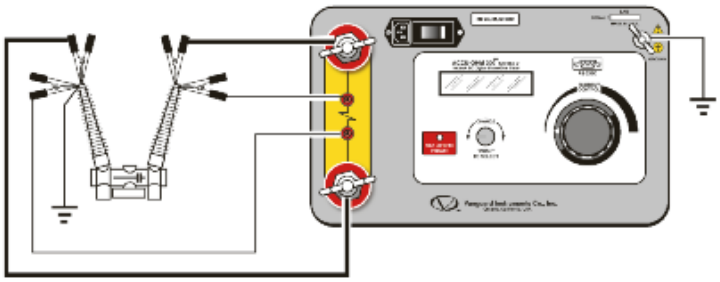
Vanguard Instruments Company

www.vanguard-instruments.com

Accurately

FEATURES

- **Reliable, inexpensive, and easy to use**
- **10 to 200 Amperes DC test current**
- **Digital resistance readings from 1 micro-ohm to 300 milli-ohms**
- **Stores and can display last 3 readings**



Accu-Ohm 200 Series 2

The Accu-Ohm 200 S2 is especially designed to accurately measure low resistances from 1 micro-ohm to 300 milli-ohms. Using a microprocessor, the Accu-Ohm 200 S2 can accurately calculate and display a resistance reading at any current from 10A to 200A. The Accu-Ohm 200 S2 is designed for testing EHV circuit-breaker contact resistance, bushing contact joints, or for any low-resistance measuring application.

The Accu-Ohm 200 S2 applies an un-filtered direct current from 10A to 200A to the resistance load being tested. Any test current setting can be selected by using the current control dial on the front panel. The resistance reading is displayed directly in micro-ohms or milli-ohms. No calculations are required to compensate for lead resistances when using the Accu-Ohm 200 S2.

The Accu-Ohm 200 S2 features a back-lit LCD screen (1-inch high, 16 characters by 2 lines) that is viewable in both bright sunlight and low-light levels. The resistance reading is displayed on the screen until the next test is initiated. The last three resistance measurements are stored internally and can be displayed on the LCD screen. An RS-232C interface port is also provided for diagnostic testing.

The Accu-Ohm 200 S2 is furnished with two 30-foot test cables. Fifteen-foot test cables are also available as an option. Both cables are terminated with quick disconnect clips. Heavy-duty, welding-type, C-clamps are available as an optional accessory. These can be used to connect the test cable leads to a wide variety of bushing sizes, bus-bars and other conductors requiring low-resistance test contacts.

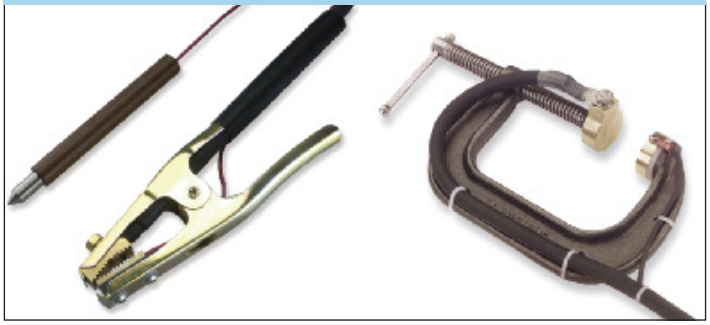
The Accu-Ohm 200 S2's power supply is thermally protected, and the contact-sensing inputs are protected against static-discharge damage.

Ordering Information

Accu-Ohm 200 Series 2

Accu-Ohm 200 S2 with 30-ft Test Cables	Part No: Accu-Ohm 200 S2
Accu-Ohm 200 S2 Shipping Case	Part No: Accu-Ohm 200 Case
15-foot Test Cable	Part No: Accu-Ohm 200 Cable-15ft
30-foot Test Cable	Part No: Accu-Ohm 200 Cable-30ft
C-Clamp Set (2 clamps)	Part No: C-Clamps
Alligator Clamp Set (2 clamps)	Part No: Alligator-Clamps
Hand Spike Set (2 probes)	Part No: Handspike

ACCESSORY CLAMPS and HANDSPIKE



Special-Purpose Micro-ohmmeter

Measure *Resistance from 1 micro-ohm to 300 milli-ohms*

SPECIFICATIONS

TYPE	Portable micro-ohmmeter
PHYSICAL SPECIFICATIONS	16.8" W x 12.6" H x 10.6" D (42.7 cm x 32.0 cm x 26.9 cm); Weight: less than 42 lbs (19 kg)
INPUT POWER	100 – 120 Vac or 200 – 240 Vac (factory pre-set), 50/60 Hz
RESISTANCE READING RANGE	1 micro-ohm – 300 milli-ohms (1 micro-ohm resolution); Accuracy: ±1% reading, ± 1 count
TEST CURRENT RANGE	10 Amperes – 200 Amperes, selectable
DISPLAY	1-inch high back-lit LCD Screen (16 characters by 2 lines); viewable in bright sunlight and low-light levels
INTERNAL TEST RECORD STORAGE	Stores and can display last 3 readings
COMPUTER INTERFACE	RS-232C port (19,200 Baud) for factory calibration and diagnostics
SAFETY	Designed to meet IEC61010 (1995), UL61010A-1, CSA-C22.2 standards
ENVIRONMENT	Operating: -10˚ to 50˚ C (15˚F to +122˚ F); Storage: -30˚ C to 70˚ C (-22˚F to +158˚ F)
CABLES	30-foot (#1 AWG) test cables, ground cable, power cord
OPTIONS	Transportation case, 15-foot test cables, C-clamps, Handspike
WARRANTY	One year on parts and labor

Note: The above specifications are valid at nominal voltage and ambient temperature of +25°C (+77°F). Specifications are subject to change without notice.

Vanguard Instruments Company, Inc.

Vanguard Instruments Co., (VIC), was founded in 1991. Currently, our 28,000 square-foot facility houses Administration, Design & Engineering, and Manufacturing operations. From its inception, VIC's vision was, and is to develop and manufacture innovative test equipment for use in testing substation EHV circuit breakers and other electrical apparatus.

The first VIC product was a computerized circuit-breaker analyzer, which was a resounding success. It became the forerunner of an entire series of circuit-breaker test equipment. Since its beginning, VIC's product line has expanded to include microcomputer-based, precision micro-ohmmeters, single and three-phase transformer winding turns-ratio testers, winding-resistance meters, transformer tap-changing controllers, megaohm resistance meters, and a variety of other electrical utility maintenance support products.

VIC's performance-oriented products are well suited for the utility industry. They are rugged, reliable, accurate, user friendly, and most are computer controlled. Computer control, with innovative programming, provides many automated testing functions. VIC's instruments eliminate tedious and time-consuming operations, while providing fast, complex, test-result calculations. Errors are reduced and the need to memorize long sequences of procedural steps is eliminated. Every VIC instrument is competitively priced and is covered by a liberal warranty.

Vanguard products are available from:

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