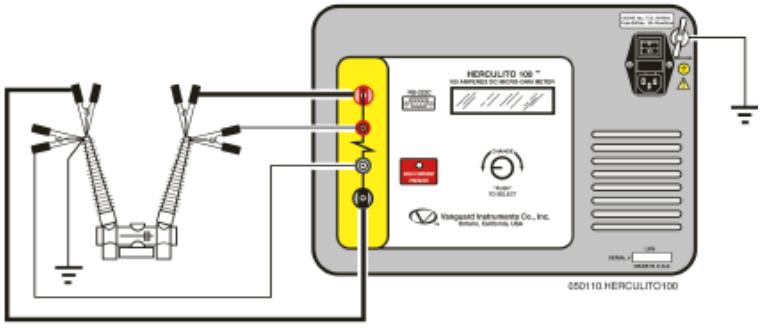
Herculito

DC Micro-ohm Meter

Vanguard Instruments Company

www.vanguard-instruments.com

Accurately



FEATURES

- *100 Amperes DC test current*
- *Digital resistance reading from 1 micro-ohm to 20 milli-ohms*
- *Weighs less than 18 lbs (8 Kg)*

Herculito™

Inexpensive, Compact and Simple to Use

The Herculito is a lightweight and compact 100-Amperes DC micro-ohmmeter. The meter is designed to test EHV circuit-breaker contact resistance, bushing contact joints or for performing any low-resistance measurement. Using the latest switching power supply technology, the Herculito merely weighs 18 lbs (8 kg) and is housed in a 17"W x 7"H x 13"D (43 cm x 18 cm x 33 cm) watertight, high impact, plastic case. The Herculito's power supply is thermally protected.

The microprocessor-based Herculito can accurately measure resistances ranging from 1 micro-ohm to 20 milli-ohms. The resistance reading is displayed directly in micro-ohms or milli-ohms. No calculations are required to compensate for the test lead resistances when using the Herculito.

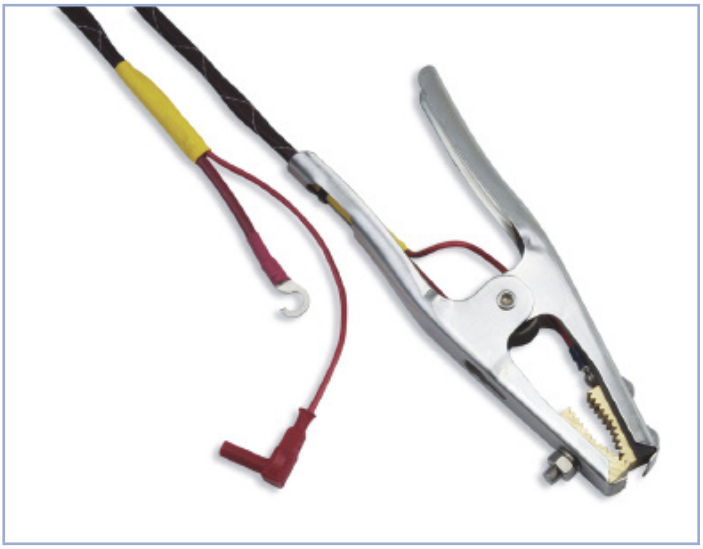
The Herculito features a back-lit LCD screen (16 characters by 2 lines) that is viewable in both bright sunlight and low-light levels. The last three measurements are stored internally and can be displayed on the LCD screen. An RS-232C interface port is also provided for diagnostic testing.

The Herculito is furnished with two 40-foot test cables that include quick-connect test leads. Voltage-sensing leads are built into the cable and carry no load current, thus the true voltage is measured at the contacts. Heavy-duty, welding-type, C-clamps are available as an accessory. These can be used to connect the test-cable leads to a wide variety of bushing sizes, bus-bars and other conductors.

Ordering Information

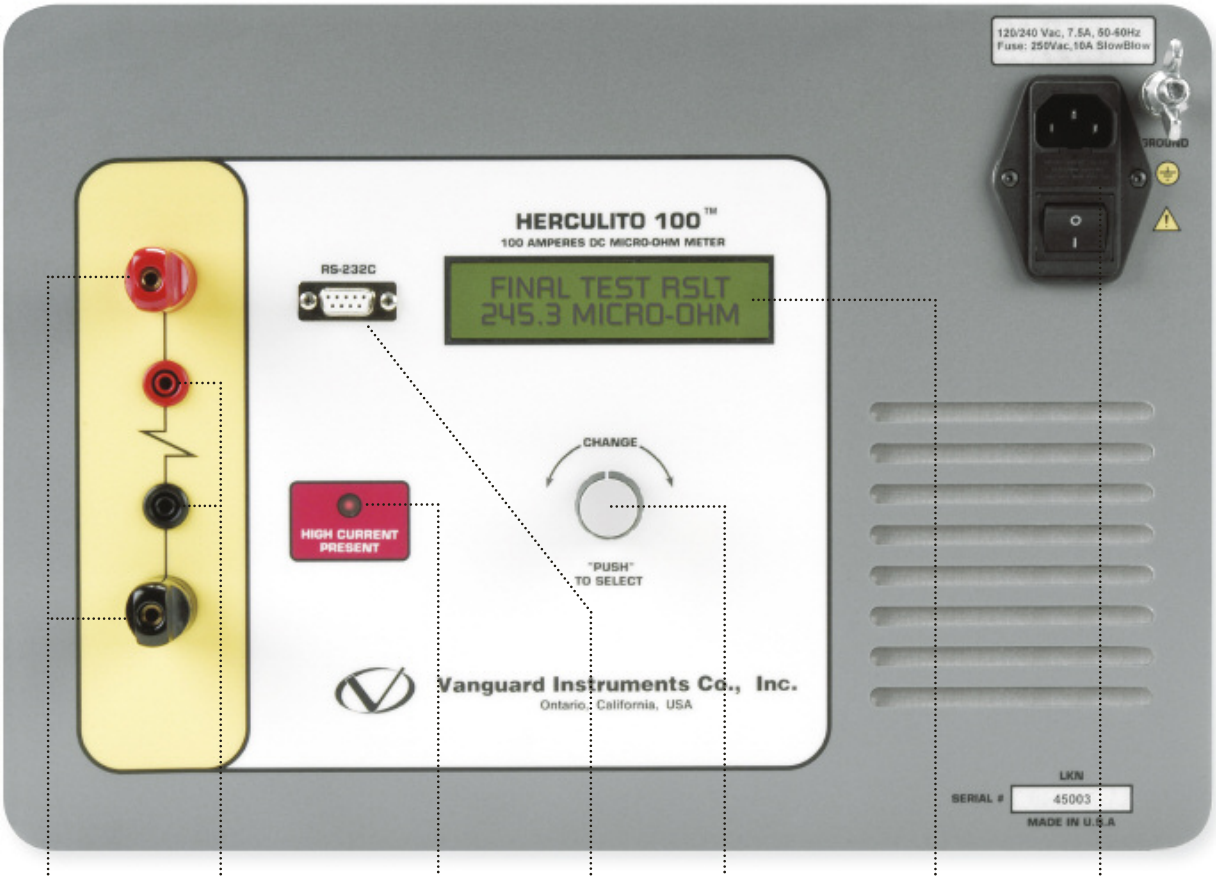
Herculito DC Micro-ohm Meter

Herculito with 40ft Test Cable	Part No: HERCULITO
Herculito Cable	Part No: HERCULITO Cable - 40ft
Herculito Shipping Case	Part No: HERCULITO Case
C-Clamp Set (2 clamps)	Part No: C-Clamps



100-Amperes DC Micro-ohm Meter

Measure *Resistance from 1 micro-ohm to 20 milli-ohms*



Current Lead Connector | **Sensing Lead Connector** | **High Current Presence Indicator** | **RS-232C Interface** | **Function Control Knob** | **Back-lit LCD Screen (16 characters by 2 lines)** | **Built-in Circuit Breaker**

SPECIFICATIONS

TYPE	Portable micro-ohmmeter
PHYSICAL SPECIFICATIONS	17" W x 7" H x 13" D (43.2 cm x 17.8 cm x 33 cm); Weight: 18 lbs. (8.0 kg)
INPUT POWER	100 – 240 Vac, 50/60 Hz
RESISTANCE READING RANGE	1 micro-ohm to 20 milli-ohms (1 micro-ohm resolution); Accuracy: ±1% of reading, ± 1 count
TEST CURRENT	80 – 100 Amperes, auto-ranging
DISPLAY	Back-lit LCD Screen (16 characters by 2 lines); viewable in bright sunlight and low-light levels
INTERNAL TEST RECORD STORAGE	Stores and displays last 3 readings
COMPUTER INTERFACE	RS-232C port (19,200 Baud) for diagnostic testing
SAFETY	Designed to meet UL 61010A-1 and CAN/CSA C22.2 No 1010-92 standards
ENVIRONMENT	Operating: -10°C to 50° C (15° to +122° F); Storage: -30° C to 70° C (-22° to +158° F)
HUMIDITY	90% RH @ 40˚C (104˚F) non-condensing
ALTITUDE	2,000m (6,562 ft) to full safety specifications
CABLES	40-foot test leads, ground cable, power cord
OPTIONS	Transportation case
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:

Vanguard Instruments Company, Inc.

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www.vanguard-instruments.com