

Herculito 100

DC Micro-ohmmeter

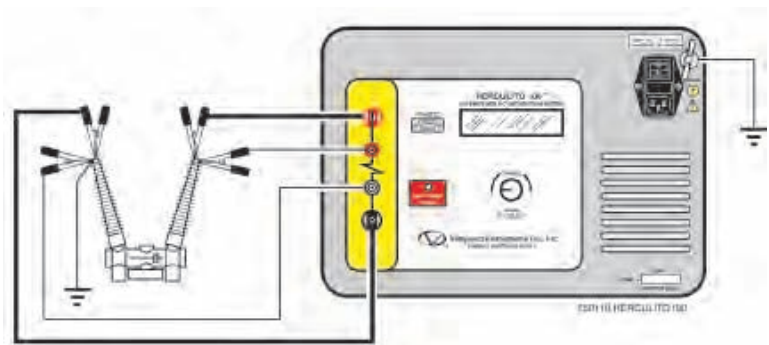


Vanguard Instruments Co., Inc.
Ontario, California, USA



Vanguard Instruments Company

Accurately



FEATURES

- 100 AMPERES DC TEST CURRENT
- DIGITAL RESISTANCE READING FROM 0.1 MICRO-OHM TO 20 MILLIOHMS
- WEIGHT IS LESS THAN 18LBS (8 kg)

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



Herculito™

Inexpensive, Compact and Simple to Use

The Herculito is a lightweight and compact 100 Amperes DC micro-ohm meter. The meter was designed for testing EHV circuit-breaker contact resistance, bushing contact joints or for any low-resistance measurements. Using the latest switching power supply technology, the Herculito merely weighs 18 lbs (8 kg) and is housed in a 17"L x 13"W x 7"H (43 cm x 32 cm x 27 cm) watertight, high impact, plastic case.

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

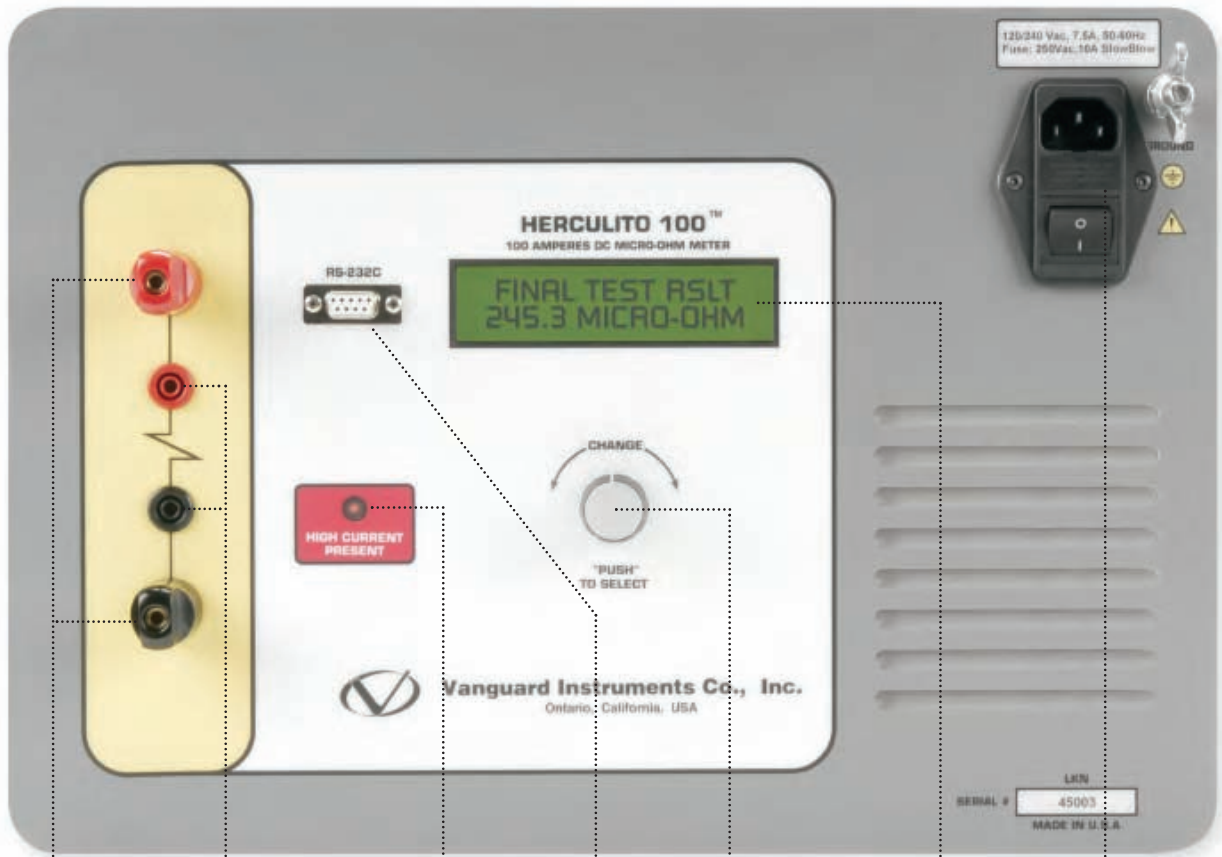
The resistance readout is displayed on a 2-line by 16-character, backlit, LCD screen. The last three measurements are retained and can be recalled onto the LCD screen after a test. A RS-232C serial interface port is also provided for diagnostic testing.

The Herculito is supplied with two 40-ft 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, which allows the user to connect the test-cable leads to a wide variety and sizes of bushing, bus-bars and other conductors.

The Herculito power supply is thermally protected.

100-Amperes DC Micro-ohm Meter

Measure Resistance from 1 Micro-ohm to 300 Milliohms



Current Lead Connector

Sensing Lead Connector

High Current Warning LED

RS-232C Connector

Function Control Knob

2-Line by 16 Character Backlit LCD Display

Built-in Circuit Breaker

SPECIFICATIONS

TYPE	Special-purpose test equipment, portable, micro-ohmmeter
PHYSICAL SPECIFICATIONS	17" L by 13" W by 7" H (43.2 cm x 33 cm x 17.8 cm); Weight: 18 lbs. (8.0 kg)
INPUT POWER	90-240 Vac, 50/60 Hz
RESISTANCE READING RANGE	0.1 micro-ohm to 20 milliohms (4-digit resolution)
ACCURACY	±1% of reading, ± 1 count
TEST CURRENT	80 to 100 Amperes Auto-Ranging
DISPLAY	Backlit LCD, 2 line by 16 characters
TEST RECORD STORAGE	Store and display last 3 readings
COMPUTER INTERFACE	RS-232C, 19,200 Baud (Diagnostic Testing)
SAFETY	Designed to meet UL 61010A-1 certification and CAN/CSA C22.2 No 1010-92 certification
TEMPERATURE	Operating: -10°C to 50° C (15° to +122° F); Storage: -30° C to 70° C (-22° to +158° F)
CABLES	One 40-ft test lead set, Current cables and sensing cables
OPTIONS	Transport Case
WARRANTY	One Year Parts & 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.