

PCI-600

Primary Current Injection Source

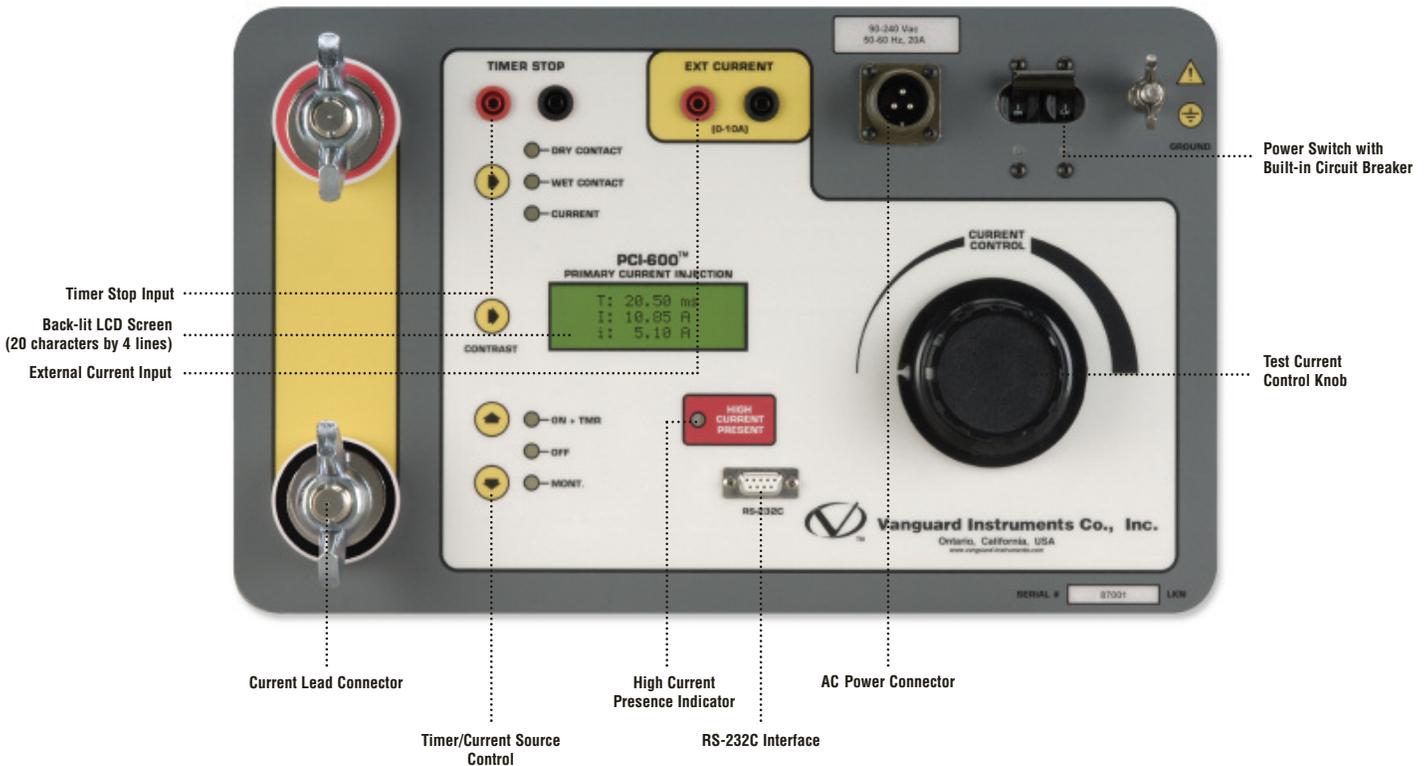


Vanguard Instruments Company

www.vanguard-instruments.com

Test

Protective Relays, thermal, magnetic and solid state motor-protection relays & molded case circuit breakers



SPECIFICATIONS

TYPE	10 – 600 Amp current source
PHYSICAL SPECIFICATIONS	16.8"W x 12.6"H x 10.6" D (42.6 cm by 32.0 cm by 27 cm); Weight: 46lbs (21kg)
INPUT POWER	100 – 120 Vac or 200 – 240 Vac (factory pre-set), 50/60 Hz
INTERNAL CURRENT METER	100 mA – 1000 A; Accuracy: 1% of reading, ± 20 mA
MEASURING METHOD	Isolated CT
EXTERNAL METER RANGE	10 mA – 10 A; Accuracy: 1% of reading, ± 2 mA
MEASURING METHOD	Isolated CT
TIMER READING RANGE	1 ms – 2 hours; Accuracy: 0.1% of reading ± 1 ms
TIMER STOP INPUT	Voltage input (24 – 300 V, DC or peak AC), dry-contact input, or removal of primary current
COMPUTER INTERFACE	RS-232C port (19,200 baud) for factory calibration and diagnostics
SAFETY	Designed to meet IEC61010 (1995), UL 61010A-1, CSA-C22.2 standards
ENVIRONMENT	Operating: -10°C to 50°C (15°F to $+122^{\circ}\text{F}$); Storage: -30°C to 70°C (-22°F to $+158^{\circ}\text{F}$)
HUMIDITY	90% RH @ 40°C (104°F) non-condensing
ALTITUDE	2,000m (6,562 ft) to full safety specifications
CABLES	10-foot #1/0 AWG test leads, power cord, ground cable
OPTIONS	Transportation case
WARRANTY	One year on parts and labor

Note: The above specifications are valid at nominal voltage and ambient temperature of $+25^{\circ}\text{C}$ ($+77^{\circ}\text{F}$). Specifications are subject to change without notice.

Vanguard Instruments Company
Reliability Through Instrumentation

RvFeb10

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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