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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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We buy your excess, underutilized, and idle equipment
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Custom engineering
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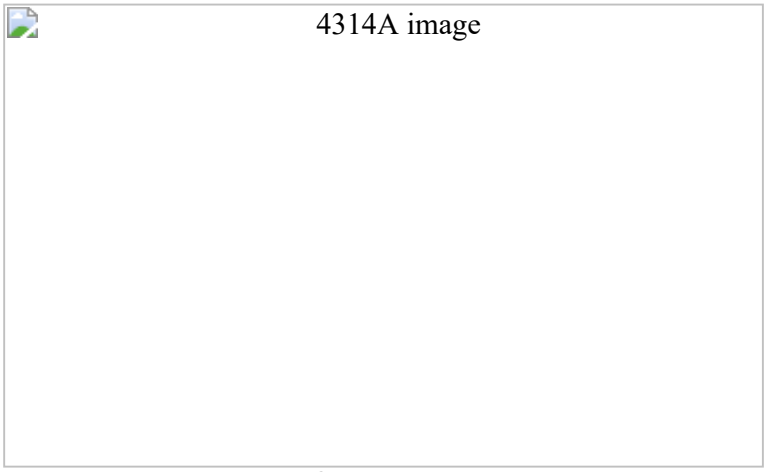
Expert team | Trust guarantee | 100% satisfaction

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Find the *Valhalla Scientific 4314B* at our website: ***Click HERE***

We have your solution for the 1 Watt Rule!
See our 2400 Series Power Analyzer.
Perfect for Stand-by Power Measurements.

Valhalla 4314 Series Digital Igniter Tester



Valhalla 4314 Series Digital Igniter Tester

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Ultra-Safe Resistance Measurement

The 4314 Series Digital Igniter Testers are portable digital ohmmeters which have been specifically designed for ultra-safe resistance testing on explosive devices (i.e. squibs, detonators). Many versions of the 4314 series have had the unit's circuitry reviewed and approved by a U.S. Government Safety Board as well as most branches of the armed forces for specific military programs (i.e. Cruise Missile).

Designed with Life Protecting Safety in Mind

There are a variety of critical military, aerospace and industrial applications which utilize squibs and other blasting devices. In each case, it is extremely important that these devices detonate when required. It is equally important that these devices do not detonate while being tested for coil integrity. To this end, Valhalla equips each instrument with redundant, dual fail-safe current limiting network circuitry to insure that the instrument test currents cannot exceed the specified amount. Even in the unlikely event of a worst case component failure, the output current limiting network is still in effect. To prove that this level of safety is intact in every unit we ship, a worst case component failure is simulated during final test with the resulting output recorded and attached to the unit.

The 4314's utilize a four-wire Kelvin input configuration to eliminate lead wire length and lead contact resistance errors. The units are battery powered with a heavy duty rechargable Ni-Cad pack for portability and line isolation purposes. An AC adaptor battery charger is standard. For added convenience and safety, the 4314's feature an internal switching configuration which automatically disables the battery charging circuit when in the operate mode. Alternately, all

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power is removed from the output circuitry when in the off/charging mode.

General Specifications

Printer Friendly

Unit	Ranges						
4314A	20	200	2k	20k	-----	-----	-----
4314AB	20	Rear input 6 pin DIN			-----	-----	-----
4314AN	20	200	-----	-----	-----	2M	20M
4314AP	20	-----	2k	-----	200k	-----	-----
4314B	-----	200	2k	20k	-----	-----	-----
4314BN	-----	200	-----	-----	200k	-----	-----
4314C	20	200	-----	-----	200k	-----	20M
4314GD	20	200	-----	20k	200k	-----	20M
4314H	-----	200	2k	-----	200k	2M	-----
4314T	20	200	-----	20k	-----	-----	20M
Resolution	1m	10m	100m	1	10	100	1k
Test Current	10mA	1mA	100µA	10µA	1µA	100nA	10nA
Fail Safe	16mA	1.8mA	180µA	18µA	1.8µA	180nA	18nA
*4314BK	20	200	2k	20k	-----	-----	-----
4314LK	20	200	2k	-----	200k	-----	-----
4314UK	20	200	2k	20k	-----	-----	-----
Resolution	1m	10m	100m	1	10	-----	-----
Test Current	10mA	1mA	100 A	10 A	1 A	-----	-----
Fail Safe	8mA	1.8mA	180 A	18 A	1.8 A	-----	-----
4314AN-1	-----	200	-----	-----	-----	2M	20M
Resolution	-----	10m	-----	-----	-----	100	1k
Test Current	-----	1mA	-----	-----	-----	100nA	10nA
Fail Safe	-----	1.8mA	-----	-----	-----	180nA	18nA
#4314H	-----	200	2k	-----	200k	2M	-----
Resolution	-----	10m	100m	-----	10	100	-----
Test Current	-----	1mA	100 A	-----	1 A	100nA	-----
Fail Safe	-----	1.8mA	180 A	-----	1.8 A	180nA	-----
4314N	-----	200	2k	-----	-----	2M	20M

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Resolution	-----	10m	100m	-----	-----	100	1k
Test Current	-----	1mA	100µA	-----	-----	100nA	10nA
Fail Safe	-----	1.8mA	180µA	-----	-----	180nA	18nA

*Front panel charger input jack and fuse holder
2 Volt limiter/clamp open circuit voltage

Customer safety engineered versions with specific ranges and fail safe current levels are available: Contact Valhalla Sales Department for assistance.

- Accuracy: (180 days 25°C ± 10°C) ± 0.02% of range for 20 ohm through 200 Kohm ranges. ± 1.0% of reading ±0.02% of range for 2 Mohm range. ±0.02% of reading ±0.02% of range to 20 Mohm.
- Display: 4 1/2 digit (19999) L.E.D. - 20,000 counts
- Terminal Configuration: Four-wire Kelvin
- Overload Indication: Display flashes
- Maximum Input: 250 VDC or peak AC without damage
- Operating Temperature Range: 0°C to 50°C
- Temperature Coefficient: ±.002% per °C (from 0°C to 15°C and 35°C to 50°C)
- Conversion Rate: Approximately 3 per second
- Power: Rechargable Ni-Cad batteries & charger (115 VAC 50-60 Hz)
- Size: 235mm/9" D x 254mm/10" W x 76mm/3" H
- Weight: 1.6 KG/3.5lbs NET 3 KG/6.5 lbs shipping

Ordering Information

Model 4314A or B	Digital Igniter Tester
Model 4314xx	All Other Versions
Option "CC4"	Soft Vinyl Cover
Option "HDB"	Rechargeable Battery Pack
Option "K"	Kelvin Clip set w/"KCS"
Option "KK"	Kelvin Clip set w/"JAWS"
Option "MP-1"	Kelvin Micro-Probes 0.05"
Option "MP-2"	Kelvin Mini-Probes 0.18"
Option "MP-3"	Kelvin Micro-Probes 0.08"
Option "R-4"	19" Rack Adapter
Option "M-4314"	Additional User/Maintenance Manual

BACK TO IGNITER TESTER MENU

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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