

4314KB Configuration

Part #:4314KB | Alpha 4314 Series Ultra-Safe Digital Igniter Tester

- Certified Mil Std 810 – Method 511 Safe for Explosive & Volatile Atmospheres
- Complies to (EWR) 127-1, Section 3.13.8.1-2
- US Safety Board and Arm Forces Approved
- Current Limiting Circuitry (8mA Max)
- KRC - Reduced Current Output
- 1mΩ Resolution to 20kΩ - 4 Ranges
- Rechargeable Battery Operated NiMH 10AH
- Certificate of N.I.S.T. traceability
- Fuse Holder and Charger Jack on Front Panel



Many other configuration available at www.valhallascientific.com/igniter-testers2

Range Specifications

Rng #	Range	Resolution	Test Current	Failsafe Current	Accuracy
			KRC ⁽¹⁾	KRC ⁽¹⁾	
1	20Ω	1mΩ	5mA	8mA	± 0.03% of reading ± 0.02% of range
2	200Ω	10mΩ	500µA	1.8mA	± 0.03% of reading ± 0.02% of range
3	2kΩ	100mΩ	50µA	180µA	± 0.03% of reading ± 0.02% of range
4	20kΩ	1Ω	5µA	18µA	± 0.03% of reading ± 0.02% of range

(1) Option "KRC" Models feature a reduced Test and Fail-Safe Current. The nominal output current for these models is half a value of the standard units. The Fail-Safe for the lowest range drops from 16mA on the standard models to 8mA on the KRC model.

General Specifications

Display Type: 4 ½ digits LEDs (19999)
Overload Indication: O.L.
Conversion Rate: 3 readings per second
Terminal Configuration: 4-Wire Kelvin
Current Source Compl. Voltage: Clamped at 1.6V
Power: 4 "D" Cell 1.2V recharg. NiMH Batteries 10000mAh
Battery Charger: 6VDC at 300mA nominal

Temperature

Temperature Coefficient: ±0.002% per °C
 (from 0°C-15°C and 35°C-50°C)
Operating Temp. Range: 0°C to 50°C
Storage Temp. Range: -10°C to 70°C

Physical Specifications

Width: 9.5" / 24cm
Depth: 11" / 27cm
Height: 3" / 8cm
Weight: 3 lbs / 1.3kg net; 6lbs / 3kg shipping

Accessories

A	Battery Charger 115Vac to 6VDC @ 300mA
HDB	4 Heavy Duty rechargeable NiMH Batteries 1.2V 10000mAh.
CC4	Carrying Case for the meter with room for the battery charger and Lead Sets
HCC	Pelican 1500 Hard Carrying Case with Custom Foam for the meter, battery charger, up to 3 sets of leads and extra batteries.
R4	Standard 19" equipment rack adaptor

Options

RS232	This option provides a safety isolated RS232 Serial interface. The interface provides measurements and other information.
BCD	This option provides parallel BCD data on p rear-panel 50-pin connector. All outputs are TTL comparable levels with a drive capability of 1 LS load.
AC-115	Continuous Isolated AC Power
AF-6	A 6-pin Mil-Spec circular connector (MS3112E10-6S) replaces the four-terminal banana jacks and the battery charger jack. Makes it physically impossible to simultaneously connect the AC/DC Charger while measuring with the test leads.

As with all Valhalla Digital Ohmmeters and Igniter Testers, the Alpha 4314 is available with a host of 4-wire probes and cable sets.



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