

4314MH Configuration

Part #:Alpha4314-3456STD | 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 (180µA Max)
- 100mΩ Resolution to 2MΩ - 4 Ranges
- Rechargeable Battery Operated NiMH 10AH
- Certificate of N.I.S.T. traceability



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

Range Specifications

Rng #	Range	Resolution	Test Current		Accuracy
			STD	Failsafe Current STD	
3	2kΩ	100mΩ	100µA	180µA	± 0.03% of reading ± 0.02% of range
4	20kΩ	1Ω	10µA	18µA	± 0.03% of reading ± 0.02% of range
5	200kΩ	10Ω	1µA	1.8µA	± 0.05% of reading ± 0.05% of range
6	2MΩ	100Ω	100nA	180nA	± 1% of reading ± 0.2% of range

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
Power: 4 "D" Cell 1.2V recharge. 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

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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