



# Agilent E1779A

## Rechargeable Battery Pack

Product Overview

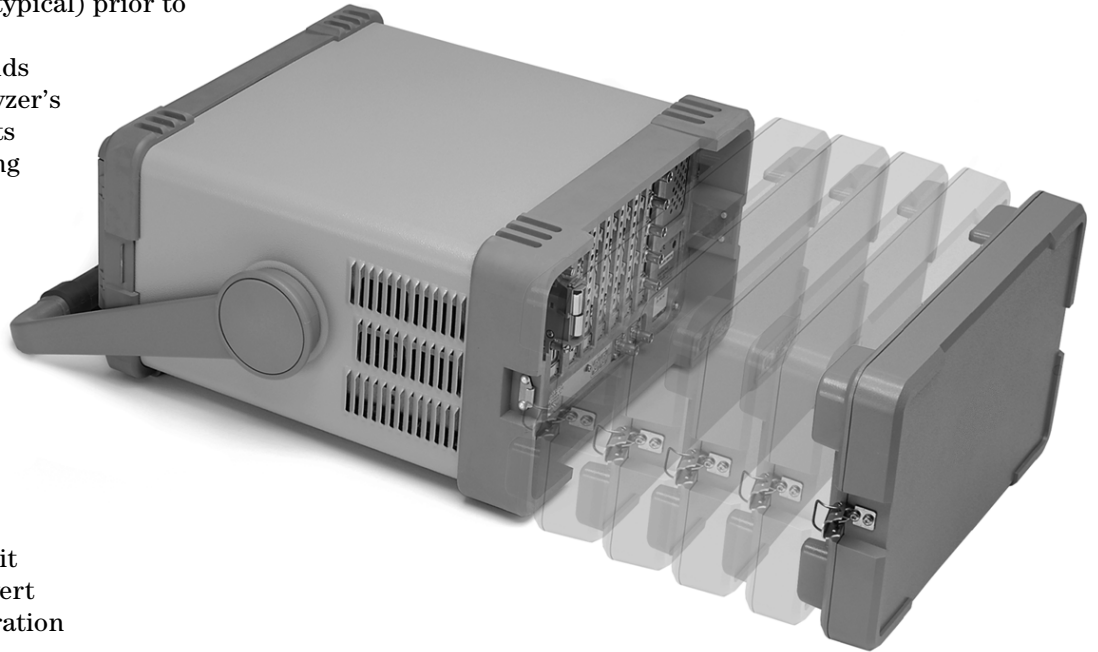


*Snap on DC power  
provides freedom from  
the AC power mains*

**Cordless Spectrum Analysis for Agilent ESA series**

### Spectrum analysis in the field without AC power

- Operate the ESA series spectrum analyzer from 1.4 to 1.9 hours (typical) prior to recharging.
- The Agilent E1779A adds only 4.8 kg to the analyzer's weight and 44 mm to its depth while maintaining access to rear panel connectors.
- Attached to the rear of the analyzer, the battery pack is designed to match the rugged portability and appearance of the ESA series.



### Easy to use

- Snap-on design makes it quick and easy to convert the analyzer to dc operation or swap battery packs.
- Built-in smart-charger monitors battery temperature, current, and voltage to prevent overcharging. When recharging is complete, trickle charging maintains the battery at full potential so it's ready when you are.
- Recharges in just 6 hours at 25 °C using the supplied AC adapter.
- The included DC contact adapter provides simple and reliable electrical connection between the battery and the analyzer.



## Operational Characteristics

The following information describes characteristic performance based at a temperature of 25 °C unless otherwise noted.<sup>1</sup>

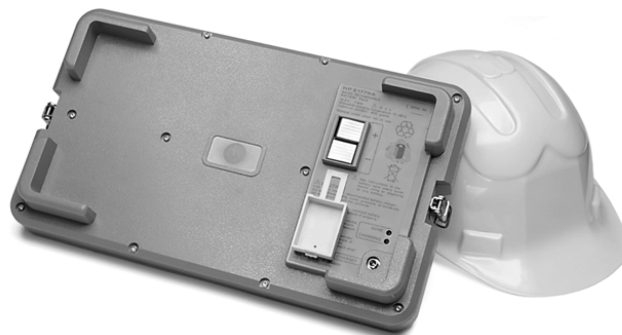
<b>Output voltage</b>	19.2 Volts
<b>Capacity</b>	105 Watt hours
<b>Typical operation times</b>	
ESA-L1500A (no options)	up to 1.9 hours
ESA-L1500A (Options A4H, A4J)	up to 1.8 hours
ESA-L1500A (Options A4H, 1DN)	up to 1.4 hours
<b>Operation/discharge temperature</b>	0 to 55 °C
<b>Charge time</b>	6 hours at 25 °C (charge time will increase at temperatures above 25 °C)
<b>Charge temperature</b>	10 to 40 °C
<b>Service life</b>	500 charge/discharge cycles (to 80% of initial capacity at 25 °C)
<b>Recommended storage temperature</b>	-30 to 30 °C
<b>Permissible storage temperature</b>	-30 to 55 °C (service life degrades rapidly with prolonged storage at temperatures above 40 °C)
<b>Maximum relative humidity</b>	80% (for temperatures up to 31 °C)
<b>Altitude</b>	up to 4,572 meters
<b>Chemistry</b>	nickel cadmium
<b>EMI compatibility</b>	CISPR 11:1990 Group 1, Class A radiated and conducted emissions

## Physical characteristics<sup>1</sup>

<b>Weight</b>	4.8 kg
<b>Height</b>	217 mm
<b>Width</b>	373 mm
<b>Depth</b>	68 mm (44 mm added to analyzer depth)

## AC adapter characteristics<sup>1</sup>

<b>Input voltage range</b>	90 to 254 Vac
<b>Input frequency range</b>	47 to 66 Hz
<b>Input power</b>	60 W
<b>Output voltage</b>	24 Vdc



## Compatibility

**E4401B, E4402B, E4403B, E4404B, E4405B, E4407B, E4408B, E4411B, E7401A, E7402A, E7403A, E7404A, E7405A, and E4411A**

<b>ESA-L1500A spectrum analyzer (E4411A)</b>	serial prefix US3745 or greater (Agilent Option E4411AU-R12 upgrade kit is available for analyzers with serial prefixes prior to US3745)
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<sup>1</sup> Characteristics describe product performance that is useful in the application of the product, but is not covered by the product warranty.

## Ordering Information

### Model

E1779A

### Description

Rechargeable battery pack for ESA series spectrum analyzers

Option E4411AU-R12

Upgrade kit for ESA-L1500A spectrum analyzers with serial prefixes prior to US3745

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Printed in USA, February 26, 2003  
5966-1851E



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