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Battery Pack AP-01

For Active Probes

Datasheet



About Battery Pack AP-01

The AP-01 battery pack powers active probes of the BumbleBee® and Sonic series for >8 hours and enables their operation without additional power supply at any location, such as in test vehicles, wind turbines and any other portable measurement setups. The built-in battery has no ground reference and provides a symmetrical, bipolar supply with virtual ground by its integrated electronics. This ground is connected to the ground potential of the measurement instrument / oscilloscope. The battery pack has neither USB nor LAN interface, and connected probes cannot be operated with the „PMK Probe Control“ software.

Specifications

Battery		
Technical Specifications		
Operating time		>8h
Battery Type		Nickel metal hydride (NiMh)
Input Voltage		14.4 V
Capacity		4500 mAh
Amount of cells		12
IEC Cycle Life Test		≥500 Cycles, IEC61951-2(2003)7.4.1.1
Output Voltage		±DC symmetrical, depending on charging status of the battery
Output Current		0.6ADC max.
Ripple and Noise		250 µV RMS (1 GHz bandwidth)
Mechanical Specifications		
Length		213mm
Width		127.5mm
Height		50.5mm
Weight		1.5kg
Environmental Specifications		
Altitude	operating	up to 2000 m
	non-operating	up to 15000 m
Temperature Range	operating / loading	0 °C to +40 °C
	discharged	-20 °C to +40 °C
	storage temperature	-20 °C to +40 °C
Maximum Relative Humidity	operating	90%, non-condensing humidity
	non-operating	90%, non-condensing humidity

Scope of Delivery

Item	Qty
Batterypack AP-01 (889-09V-AP01)	1
Battery Charger	1
Charging Cable	1
Safety Datasheet NiMh Battery	1
Instruction Manual	1

Manufacturer

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