



# Datasheet AP-01

Batterypack for Active Probes

- Mobile use
- Long battery life
- Indication of charging status
- Deep discharge protection
- Low noise supply



Battery Pack AP-01 for use with PMK active probes as BumbleBee, Sonic and Sonic RF. The built-in battery has no ground reference and provides a symmetrical bipolar supply with virtual ground by means of integrated electronics. This ground is at the ground potential of the measuring device / oscilloscope used. The state of charge is monitored by a voltage measurement and indicated by four-state LED. A 10 hour operating time of PMK active probes can be achieved with one battery charge. If the battery pack is unexpectedly switched on without the probe a standby operation of several days are enabled. The external battery charger is tested in compliance with EN 60335-2-29/ IEC 335-2-29.

This datasheet supersedes all previously published material. Specifications that are not marked as guaranteed are published as general information to the user. The instrument should have warmed up for at least 20 minutes and the environmental conditions must not exceed the specified limits of the probe. Note that specifications are subject to change without notice.

## Manufacturer

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## Technical / Mechanical Specifications

### Technical Data Battery Pack

Output Voltage	± DC symmetrical depending on the charge state of the battery
Output Current	0.7A DC max.
Ripple and Noise (Bandwidth 1GHz)	250 µV RMS
Battery Type	Nickel-Metalhydride (NiMh)
Nominal Voltage	14.4 V
Nominal capacity	4500 mAh
Number of cells	12
IEC Life Cycle Test	Cycles ≥ 500 IEC 61951-2 (2003) 7.4.1.1
Temperature range (charging)	0° C to + 45° C
Temperature range (discharging)	-20° C to + 45° C
Temperature range (storage)	-20° C to + 40° C
Humidity	non-condensating humidity
Weight	1.5 kg
Width	127.5 mm
Height	50.5 mm
Length	213 mm

### Technical Specifications Charger

Input Voltage	100 - 240 V (± 10 %), 50 - 60 Hz
Input Power	400 mA
Hi-Pod Test (Input-Output)	3 kV / 50 Hz / 2s
Standard	EN 60335-2-29 / IEC 335-2-29
Protection class	IP30
Temperature range (charging)	0° C to + 40° C
Temperature range (storage)	-40° C to + 70° C
Humidity	non-condensating humidity