

battery type: Zinc-Air button cell (hearing aid battery)
battery size: A10; PR70
chemical system: Zinc - Air / Zn-O₂

Conditions

nominal voltage: 1.45 V
open circuit voltage: 1.35...1.45 V
 1.35...1.45 V
 new battery (pull off tap min. 30 minutes before measurement)
 after 1 year storage at 20°C

capacity all measurements at 22 ± 2°C ambient; R.H 50%
 typical: 100 mAh discharge at 3kΩ load; discharge 24hours/day
 End Voltage (EV): 0.9V

Discharge performance

| | | |
|-----------------------|--------------------------|---|
| Hearing Aid | typ. 136 h min. 128 h | 0.7mA background, 3mA 100ms pulse, once every 2h, 12h/d, EV: 1.05V (for QC measurement, without 3mA 100ms pulse) |
| IEC / ANSI Standard | typ. 90 h min. 85 h | 1mA background, 5mA 100ms pulse, once every 2h, 12h/d, EV: 1.05V (for QC measurement, without 5mA 100ms pulse) |
| IEC / ANSI High Drain | typ. 55 h min. 52 h | 1.5mA background, 5mA 100ms pulse, once every 2h, 12h/d, EV: 1.1V (for QC measurement, without 5mA 100ms pulse) |

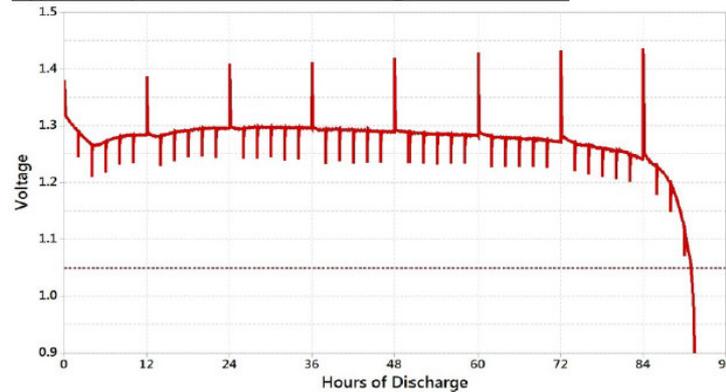
Test standards accord. IEC 60086-1, IEC 60086-2, ANSI C18.1M Parts 1&2

impulse load voltage: ≥ 1.1 V measured after 2s load
 load resistance 270Ω

impedance: ≤ 9 Ω measured at 1kHz AC

Discharge diagram:

Typical IEC/ANSI Standard Discharge Performance

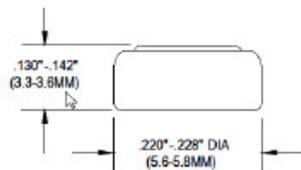


shelf life: 4 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

operating temperature range: -10...50 °C

mechanical specifications:

dimensions:



Volume: 0.08 cm³

Nominal weight: 0.30 g

| | | |
|---|--|--------------------------------|
|  | ANSMANN Specifications for model: | A10 Hearing Aid Battery |
| | data sheet no. / part no. | Zinc-Air "mercury free" |
| | supplier no. | 703619 |
| | author / date | TG / 07.04.2021 |