

**battery type:** Zinc-Air button cell (hearing aid battery)  
**battery size:** A10; PR70  
**chemical system:** Zinc - Air / Zn-O<sub>2</sub>

**Conditions**

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

**capacity** all measurements at 22 ± 2°C ambient  
 typical: 100 mAh discharge at 3kΩ load; discharge 24hours/day  
 End Voltage (EV): 0.9V  
 minimum: 90 mAh ditto

**Standard discharge time**  
 minimum: 200 h ditto (for QC measurement)

**Discharge current**  
 standard: ≤ 1.0 mA  
 available current: 3.0 mA at 1.1V

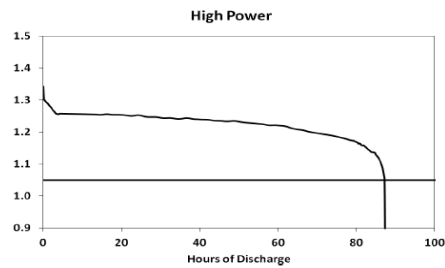
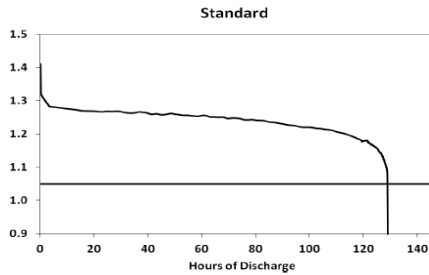
**impulse load voltage:** ≥ 1.1 V measured after 2s load  
 load resistance 270Ω

impedance: ≤ 8 Ω measured at 1kHz

**Discharge diagram:**

**ANSI/IEC Hearing Aid Standard Test** 129 hours – 0.7 mA background, 3 mA 100 ms pulse, once every 2 hours, 12 hours/day to 1.05V at 70°F (21° C) and 50% RH.

**ANSI/IEC Hearing Aid High Power Test** 87 hours – 1 mA background, 5 mA 100 ms pulse, once every 2 hours, 12 hours/day to 1.05V at 70°F (21° C) and 50% RH.

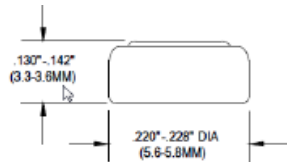


**shelf life:** 4 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

**operating temperature range:** 0...50 °C

**mechanical specifications:**

dimensions:



Volume: 0.08 cm<sup>3</sup>  
 Nominal weight: 0.30 g

**Blister card**

dimensions: 44 x 96 mm



	<b>ANSMANN Specifications for model:</b>	<b>A10 Zinc Air Battery "mercury free" 6pcs blister package</b>
	data sheet no. / part no.	5013223
	supplier no.	703619
	author / date	TG / 23.03.2015