

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

IEC / ANSI Standard typ. 99 mAh 1mA background, 5mA 100ms pulse, once every 2h, 12h/d, EV: 1.05V
 min. 94 mAh (for QC measurement, without 5mA 100ms pulse)
 IEC / ANSI High Drain typ. 95 mAh 1.5mA background, 5mA 100ms pulse, once every 2h, 12h/d, EV: 1.1V
 min. 91 mAh (for QC measurement, without 5mA 100ms pulse)

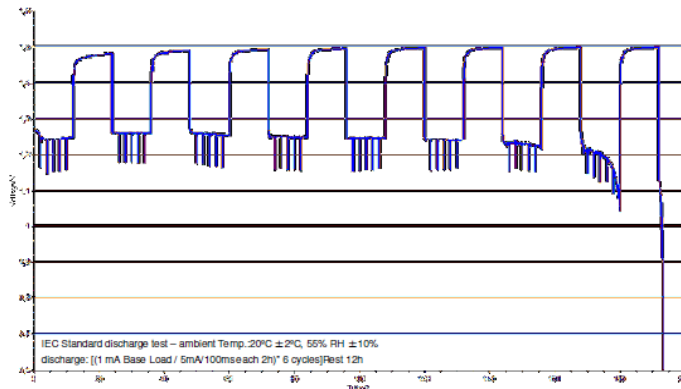
Test standards accord. IEC 60086-1, IEC 60086-2, ANSI C18.1M Parts 1&2

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

impedance: ≤ 12 Ω measured at 1kHz AC

Discharge diagram:

Typical discharge characteristics at 20°C / 55% r.h.:



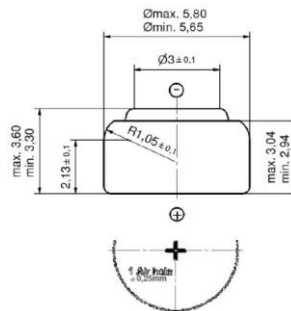
shelf life: 4 years under proper storage conditions (ta ≤ 22°C; RH: 60 ± 15%)

operating temperature range: 0...45 °C

storage temperature: 10...30 °C


mechanical specifications:

dimensions:



Volume: 0.085 cm³

Nominal weight: 0.30 g

	ANSMANN Specifications for model:	A10 Hearing Aid Battery
	data sheet no. / part no.	Zinc-Air "mercury free"
	s.n.	701734
	author / date	TG / 28.04.2021