

**battery type:** Alkaline Manganese (Mercury free)  
**battery size:** IEC: LR03; JIS: AM-4; ANSI: AAA; MN2400; Micro  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

**nominal voltage:** 1.5 V  
**open circuit voltage:** 1.57...1.62 V new battery  
 1.55...1.62 V after 1 year storage at 20°C

**capacity rated:** 1200 mAh all measurements at 20°C ambient  
 discharge at 10mA load; 24hours/day  
 End Voltage (EV): 0.8V  
 1070 mAh discharge at 75ohms load; 24hours/day  
 End Voltage (EV): 0.8V  
**minimum:** 1050 mAh discharge at 20mA constant current  
 End Voltage (EV): 0.8V  
 300 mAh discharge at 500mA constant current  
 End Voltage (EV): 0.8V

**typical service output (new batteries)**  
 ≥ 560 cycles load resistor 3.6ohms; EV: 0.9V  
 discharge 15s/m 24h/d  
 ≥ 180 min load resistor: 5.1ohms; EV: 0.9V  
 discharge 4min/h 8h/d  
 ≥ 414 min load resistor: 10ohms; EV: 0.9V  
 discharge 1h/d  
 ≥ 16 h load resistor: 20ohms; EV: 0.9V  
 discharge 24h/d  
 ≥ 37 h load resistor: 43ohms; EV: 0.9V  
 discharge 4h/d

**internal resistance:** ≤ 0.3 Ω at 1kHz, sine wave measurement  
 according to IEC 896-2

**shelf life:** 5 years under proper storage conditions

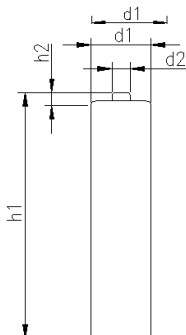
**leakage resistance**  
 over discharge: no leakage 20ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%  
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%


**ambient temperature range:** - 10...50 °C

recommended storage conditions: 5...25 °C ambient temperature  
 45...75 % rel. humidity

**mechanical specifications**

cell dimensions  
 diameter d1: 10.4 - 0.5 mm  
 diameter d2: 3.6 - 0.4 mm  
 height h1: 44.4 - 0.6 mm  
 height h2: 1.2 - 0.35 mm  
 weight: 11.5 ± 1.5 g  
 package dimensions: 55 x 44 x 48 mm  
 weight (incl. batteries): 225 ± 10 g



	<b>ANSMANN Specifications for model:</b>	<b>Ansmann Industrial Alkaline battery AAA - size 20pcs box</b>
	data sheet no. / part no.	1501-0004
	supplier no.	701381
	author / date	Gramlich / 22.02.2012