

battery type:
battery size:
chemical system:

Alkaline Manganese (Mercury free)
 IEC: LR20; JIS: AM-1; ANSI: D; MN1300; Mono
 Zn / KOH-H₂O / MnO₂



<https://www.mega-piles.com/>

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.62 V
 1.55...1.62 V

Conditions

new battery
 after 1 year storage at 20°C

capacity
 rated:

16000 mAh

13500 mAh

minimum:

11500 mAh

4500 mAh

all measurements at 20°C ambient
 discharge at 25mA load; 24h/day
 End Voltage (EV): 0.8V
 discharge at 10ohms load; 24h/day
 End Voltage (EV): 0.9V
 discharge at 100mA constant current
 End Voltage (EV): 0.8V
 discharge at 1000mA constant current
 End Voltage (EV): 0.8V

typical service output (new batteries)

≥ 18.5 h

load resistor 2.2ohms; EV: 0.9V
 discharge 4min/h 8h/d

≥ 35 h

load resistor: 3.9ohms; EV: 0.9V
 discharge 1h/d

≥ 20.5 h

load resistor: 2.2ohms; EV: 0.8V
 discharge 1h/d

≥ 16.5 h

load resistor: 2.2ohms; EV: 0.9V
 discharge 24h/d

≥ 112 h

load resistor: 10ohms; EV: 0.9V
 discharge 4h/d

internal resistance:

≤ 0.15 Ω

at 1kHz, sine wave measurement
 full battery

shelf life:

7 years

under proper storage conditions

leakage resistance

over discharge:

no leakage

high temperature:

no leakage

2.2ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 store 20days at ta: 60°C; RH:90±5%

ambient temperature
range:

- 10...50 °C

recommended storage
 conditions:

5...25 °C

45...75 %

ambient temperature
 rel. humidity

mechanical specifications

cell dimensions

diameter d1:

34.0 - 1.0 mm

diameter d2:

9.0 - 1.0 mm

height h1:

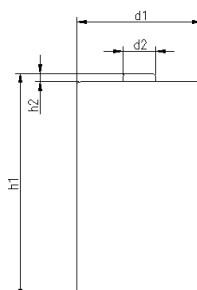
61.0 - 1.4 mm

height h2:

3.0 - 0.5 mm

weight:

138 ± 5 g



package

dimensions:

166 x 67 x 61 mm

weight (incl. batteries):

1400 ± 50 g

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	ANSMANN Specifications for model:	Ansmann Industrial Alkaline Battery
		D - size 10pcs colour box
	data sheet no. / part no.	1504-0000
	supplier no.	701381
	author / date	TG / 25.02.2015

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice