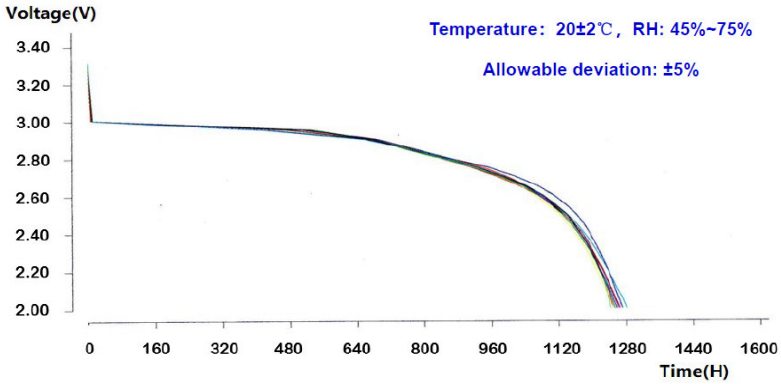
battery type:			Lithium Button Cell
battery size:			CR2032
chemical system:			Lithium Manganese Dioxide
			Conditions
nominal voltage:	3.0	V	
open circuit voltage:	3.0...3.4	V	new battery
	3.0...3.4	V	after 1 year storage at 20°C
			all measurements at 22 ± 2°C ambient
capacity			
rated:	240	mAh	continuous discharge at 15kΩ load; 24hours/day End Voltage (EV): 2.0V
minimum:	225	mAh	continuous discharge at 15kΩ load; 24hours/day EV: 2.0V
standard discharge time:	≥ 1200	h	at 15kΩ load EV: 2.0V
	≥ 1175	h	at 15kΩ load EV: 2.0V after 20days storage at 60°C
	≥ 12.5	h	at 10mA pulse load (5s on - 55s off, 24h/d) EV: 2.0V
	≥ 155	h	at 2kΩ load EV: 2.0V (for QC measurement)
discharge currents			
standard:	0.2	mA	
Internal resistance:	<15	Ω	(AC, 1kHz); fresh battery

discharge diagrams:

Discharge Characteristics on 15kΩ Load

CR2032 discharge curve (typical value)



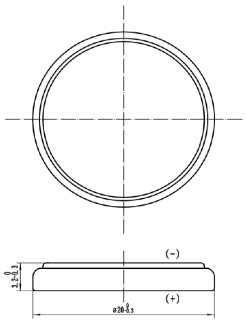
shelf life:	5	years	under proper storage conditions (ta: 20°C ± 5°C; RH: 60% ± 15%)
self-discharge:	≤ 2	%	per year (at 20°C ambient temperature)
operating temperature range:	- 20…70	°C	
storage temperature: (recommended)	15…25	°C	(Relative Humidity: 60% ± 15%)

mechanical specifications:

drawing

outer battery dimensions

diameter:	20.0mm	+0/-0.3mm
height:	3.2mm	+0/-0.3mm





printed production date
4 digits (YYWW)
e.g. 1831 = year (20)18, calender week 31



nominal weight: 3.1 g (approx.)

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ANSMANN	**ANSMANN Specifications for model:**	**Lithium Button Cell CR2032 (Car Key Version)**
	data sheet no. / part no.	
	s.n.	705623
	author / date	TG / 20.11.2025

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