

## Product Datasheet - Technical Specifications



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# blueDAN<sup>volt\_4.0</sup> Battery - Bluetooth - Low Energy - Data Logger - Sensor

## Ultra small Bluetooth 4.0 DC Voltage Data Logger



### Application areas

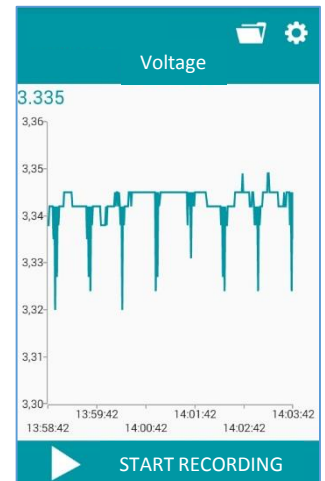
- Long-term recording of DC voltages in industry, environmental technology & science
- For different types of sensors (e.g. for distance, fill level, rain or pH-value)

### Key Benefits

- Works everywhere without line voltage
- Easy data access via Bluetooth 4.0 LE
- Setup via iOS & Android app
- Approx. 6 months battery life
- Over 10 years data preservation without battery
- No operating costs
- Small and sturdy design

### Optional

- Bluetooth 4.0 WiFi-Bridge for data transmission to the internet (IoT)
- Client-specific implementations and IP protection classes



blueDAN App

### **Technical Specifications**

- Range / accuracy / resolution: 0...2.5V /  $\pm 0.5\%$  / 3,5mV (10 bit)
- Max. source resistance: < 10 k $\Omega$
- Operating temperature: -25...+75°C
- Input: 4-pin terminal
- Replaceable battery (lithium ½ AA 3.6V / 1Ah)
- Approx. 6 months battery life
- Adjustable data recording thresholds
- Adjustable start delay 1s...6 months
- Programmable measuring interval 1s...24 hours
- Saves up to 32,000 measured values
- Data transfer via Bluetooth 4.0 low energy (max distance: 10 meters)
- Graphic visualization of the data via smartphone app
- Online data visualization
- Excel compatible data format (CSV)
- Dimensions / weight: 31 x 31 x 31 mm / approx. 26 g
- Protection class: IP54 (IP65 optional)

Subject to change