

Test Battery Life #16

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New issue

🔒Closed

 ppyordanov opened this issue on Oct 20, 2014 · 1 comment

PY

ppyordanov commented on Oct 20, 2014

The DataReading model currently carries information about the battery status. It will be nice to be able to tell/ estimate how much battery life is remaining on the device at any given moment and this can be done after the time window from a fully charged battery to 0% has been evaluated. Some important notes for guidance:

- battery life is certainly going to be influenced by update frequency, so need to take that into account
- the device seems to be working without charging for about 2-3 days with 1 min. updates, so this seems to be completely enough for the needs of the system.

🏷️ PY

 ppyordanov added the question label on Oct 20, 2014

👤 PY

 ppyordanov self-assigned this on Oct 20, 2014

🏆 PY

 ppyordanov added this to the **Sensor Data Set** milestone on Oct 20, 2014

PY

ppyordanov commented on Oct 23, 2014

The device was left to operate without the charging cable on 21.10.14 at 22:30 (GMT +1). In the evening today I noticed it is no longer transmitting and checked the website - the battery died at around 22 o'clock:

```
{  "device": {    "id": "1651",    "user_id": "2282",    "kit_version": "1.1",    "macadress": "00:06:66:22:3c:2b",    "title": "PP Yordanov's Kit",    "description": "Testing kit.",    "location": "Glasgow, United Kingdom",    "city": "",    "country": "",    "exposure": "indoor",    "position": "fixed",    "elevation": "100.0",    "geo_lat": "55.884310000000000",    "geo_long": "-4.280606000000000",    "created": "2014-10-01 19:13:03",    "modified": "2014-10-04 20:25:03",    ** "last_insert_datetime": "2014-10-22 21:55:07", **    "ro_co": "75000",    "ro_no2": "10000",    "status": "offline"  },  "data": [  ]}
```

Hence, it is safe to assume that 24 h working time with constant usage can be expected with a fully charged battery. More updates will be posted if needed.

🔒 PY

 ppyordanov closed this on Oct 29, 2014

Labels

question

Milestone

Sensor Data Set

Assignee

PY ppyordanov

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1 participant

PY

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