

WolkenThermometer News

This is the news page for the WolkenThermometer. For more technical details about the project please visit the [WolkenThermometer Project Page](#)

16 PCBs Soldered by Otelo Gmunden (29.3.2015)

The last 2 days members of the Otelo Gmunden have helped on manufacturing some PCBs. The location and host event was the Almtal EXPO in Scharnstein, where many visitors were impressed by the skills of these young people. The results look like from a PCB factory!

Special thanks go to Friedrich Feichtinger, the leader of the **Elektronik-Node** for managing his group and helping with the production.

[Otelo Gmunden](#)

[Forum of the Elektronik-Node](#)



Prototype is online! (3.4.2015)



You can have a glance at current measurements of the prototype:

[The most recent data point](#) [The last 24h](#)

Syntax details:

```
datafetch.php?maxlen=1&history=1&key[1]=AtAH8ziYVr
```

- maxlen is limited to 1000, and represents the number of data points
- history is a value in hours (max. xxx hours in the past)
- key[1] is the public key of the prototype

The result

is in the form

```
<publicKey>&<date-time>&<temperature>&<battery>
```

Example:

```
AtAH8ziYVr&2015-04-04 01:43:49&0.31&59.1
```

Means: 0.31°C and 59.1% battery

Credits

Many thanks here again to Benny Sällberg from [Sällberg Technologies](#) who has contributed with the server software to this project!

Sällberg Technologies
Innovating the future

Eingefrorene Ladungsträger (4.4.2015)

Heute Nacht um 5:52 hat der Prototyp seine Letzte Nachricht übermittelt. Untersuchungen am Vormittag haben gezeigt, dass die Leerlaufspannung der Batterie immer noch 3.8V ist. Bei einem Sendeversuch bricht die Spannung jedoch auf unter 2.3V zusammen. Grund dafür ist die niedrige Umgebungstemperatur von ca. 0°C. Im Vergleich dazu bricht die Batteriespannung bei Raumtemperatur z.B. von 3.880V nur auf 3.844V zusammen.

Seit 16:00 Uhr ist nun eine Li-Mn-Zelle (Bauform 18650, 3.7V/2.5Ah) verbaut. Es wird sich heut Nacht zeigen, wie sie sich bei Kälte schlägt.

Update for Webinterface (4.4.2015)

The datafetch.php can now accept the parameter '?web', which results in an HTML formatted table.

Example:

[http://me.zeilhofer.co.at/wt-test/datafetch.php?maxlen=1000&history=24&key\[1\]=AtAH8ziYVr&web](http://me.zeilhofer.co.at/wt-test/datafetch.php?maxlen=1000&history=24&key[1]=AtAH8ziYVr&web)

Firmware Code is online on Github (6.4.2015)

<https://github.com/KarlZeilhofer/WolkenThermometer-firmware>

Newsletter Eingerichtet (8.4.2015)

Es wurde ein Newsletter über MailChimp eingerichtet.

```
<HTML> <!-- Begin MailChimp Signup Form --> <link href=„cdn-  
images.mailchimp.com/embedcode/classic-081711.css“ rel=„stylesheet“ type=„text/css“> <style  
type=„text/css“> #mc_embed_signup{background:#fff; clear:left; font:14px Helvetica,Arial,sans-  
serif; width:500px;} /* Add your own MailChimp form style overrides in your site stylesheet or in this
```

style block. We recommend moving this block and the preceding CSS link to the HEAD of your HTML file. */ </style> <div id=„mc_embed_signup"> <form action=„zeilhofer.us10.list-manage.com/subscribe/post?u=c851e250d0958ca58308319de&id=78f0bc7503" method=„post" id=„mc-embedded-subscribe-form" name=„mc-embedded-subscribe-form" class=„validate" target=„_blank" novalidate>

```
<div id="mc_embed_signup_scroll">
<h2>Subscribe to the Newsletter</h2>
```

```
<div class=„mc-field-group">
```

```
<label for="mce-EMAIL">Email Address </label>
<input type="email" value="" name="EMAIL" class="required email" id="mce-EMAIL">
```

```
</div> <div class=„mc-field-group">
```

```
<label for="mce-FNAME">First Name </label>
<input type="text" value="" name="FNAME" class="" id="mce-FNAME">
```

```
</div> <div class=„mc-field-group">
```

```
<label for="mce-LNAME">Last Name </label>
<input type="text" value="" name="LNAME" class="" id="mce-LNAME">
```

```
</div>
```

```
<div id="mce-responses" class="clear">
  <div class="response" id="mce-error-response"
style="display:none"></div>
  <div class="response" id="mce-success-response"
style="display:none"></div>
</div>    <!-- real people should not fill this in and expect good things -
do not remove this or risk form bot signups-->
  <div style="position: absolute; left: -5000px;"><input type="text"
name="b_c851e250d0958ca58308319de_78f0bc7503" tabindex="-1" value=""></div>
  <div class="clear"><input type="submit" value="Subscribe" name="subscribe"
id="mc-embedded-subscribe" class="button1"></div>
</div>
```

```
</form> </div> <script type='text/javascript'
src='s3.amazonaws.com/downloads.mailchimp.com/js/mc-validate.js'></script><script
type='text/javascript'>(function($) {window.fnames = new Array(); window.ftypes = new
Array();fnames[0]='EMAIL';ftypes[0]='email';fnames[1]='FNAME';ftypes[1]='text';fnames[2]='LNAME'
;ftypes[2]='text';})(jQuery));var $mcj = jQuery.noConflict(true);</script> <!--End mc_embed_signup->
</HTML> ===== KiCad Projekt ist auf Github online (8.4.2015) =====
https://github.com/KarlZeilhofer/WolkenThermometer-kicad ===== Benutzer Anweisungen für Alpha-
Tester (17.4.2015) ===== User Manual
```

From:

<https://www.zeilhofer.co.at/wiki/> - **Verschiedenste Artikel von Karl Zeilhofer**

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<https://www.zeilhofer.co.at/wiki/doku.php?id=wolkenthermometer-news>

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