

Smart Meter

Socat Commands

```
socat PTY,raw,echo=0,link=/root/ttyVUSB0 tcp:192.168.178.46:4000  
socat pty,link=$HOME/dev/ttyV0,waitslave tcp:192.168.178.46:4000  
socat pty,link=/config/ttyVUSB0,nonblock,ignoreeof,keepalive tcp:192.168.178.46:4000&
```

Nodered install dependencies

```
apk add --update alpine-sdk libxml2-dev libxslt-dev libffi-dev zlib-dev py-pip
```

Debug commands

```
stty -F /dev/serial/by-id/usb-Silicon_Labs_CP2102N_USB_to_UART_Bridge_Controller_0e5d3a4c7abfeb11b5ec053a65476099-if00-port0  
stty -F /dev/serial/by-id/usb-Silicon_Labs_CP2102N_USB_to_UART_Bridge_Controller_0e5d3a4c7abfeb11b5ec053a65476099-if00-port0 9600 -  
parodd cs7 -cstopb parenb -ixoff -crtcts -hupcl -ixon -opost -onlcr -isig -icanon -iexten -echo -echoe -echoctl -  
echoke
```

OBIS Kennzahlen

- <https://de.wikipedia.org/wiki/OBIS-Kennzahlen>
- https://www.promotic.eu/en/pmdoc/Subsystems/Comm/PmDrivers/IEC62056_OBIS.htm
- <https://onemeter.com/docs/device/obis/>

Resources

- PDFs
 - [Gebrauchsanleitung_LK13BE8030x9.pdf](#)
 - [Bedienungsanleitung Logarex Zähler.pdf](#)
- Websites
 - [Logarex LK13B Information](#)
 - [Tasmota Smart Meter Interface](#)
 - [Logarex LK13B auslesen](#)

- Logarex LK13BE auslesen
 - IR Lesekopf und Raspberry PI
 - Videos
 - <https://www.youtube.com/watch?v=ZZkQDy53GcM>
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