

Lobaro LoRaWAN Keller 26D Pressure & Temp



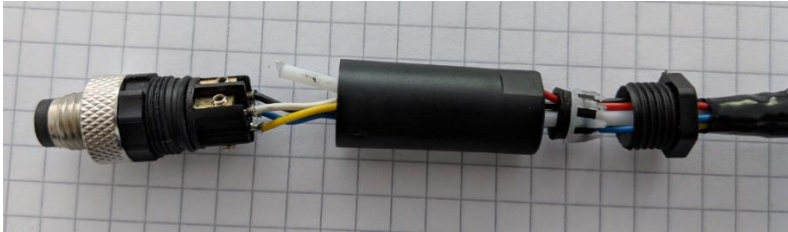
Features:

- Waterproof IP67 Housing
- Simple Configuration via <https://www.lobaro.com/lobaro-maintenance-tool>
- Multi-year Battery life, ultra low power (< 10 μ A)
- No dangerous LiPo Battery
- Working on low temperatures (-20C°)
- Tested with multiple LoRaWAN backends
- White labled (OEM) version possible

Please note that the device has been fully CE certified regarding the following European norms:

- EMC (EN 301 489-3)
- RF (EN 300 220)
- Electrical Safety (EN 62368-1:2014 + AC:2015)
- RoHS, WEEE

Keller 26D Pressure & Temp Connector



Pins are labeled 1...4

- Pin 1: GND (white)
- Pin 2: SCL (yellow)
- Pin 3: Vdd (black)
- Pin 4: SDA (blue)

EOC (Red) not connected

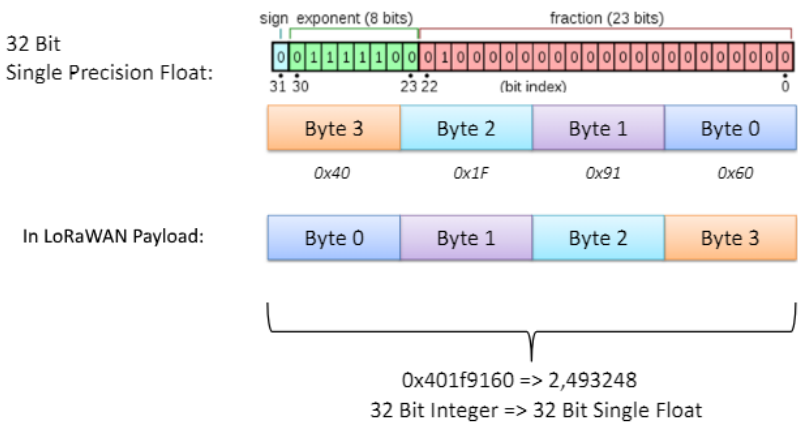
LoRaWAN Payload

Port: 1

Payload: 6 Bytes

PRESSURE (float32) Byte 0	PRESSUE (float32) Byte 1	PRESSUE (float32) Byte 2	PRESSURE (float32) Byte 3	TEMP (int16) LSB	TEMP (int16) MSB
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Float encoding:



TTN Parser: <http://bit.ly/lora-pressure-ttn>

Configuration

Use the Lobaro Maintenance Tool from:

<https://www.lobaro.com/lobaro-maintenance-tool>

CRON Parameters

To configure schedules, Linux CRON expressions are used. All CRON Expressions are based on the internal clock which gets a reset on power down.

The CRON expression consists of 6 fields:

- Second (0-59)
- Minute (0-59)
- Hour (0-23)
- Day (1-31)
- Month (1-12)
- Day of Week (MON-FRI)

Examples:

- 0 1/10 * * * * 10 minute cycle starting at minute 1, second 0
- 0 5 * * * * hourly at minute 5, second 0
- 0 0 6 * * * daily at 6:00:00
- 0 0 13 1,15 * * monthly at day 1 and 15 at 13:00:00
- 0 0 9 1-5 * * every month daily from day 1. to 5. at 9:00:00