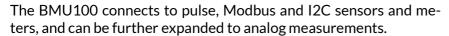
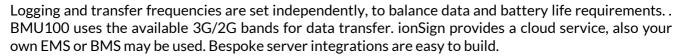


BMU100 Environs Monitor

The BMU100 is a grid independent utility meter and environs monitor. Surface mounted and battery operated, it's easy to install anywhere, and runs for about 10 years on one battery. Data is transferred via a 3G/2G mobile data connection.







- Integrated dual-band 3G/2G module
- 4 open collector inputs for pulses OR
- 2 open collector inputs and RS485 Modbus
- Optional combined RH/T input
- Optional external temperature sensor input
- I2C bus for external sensors or the BMX8A measurement extension for analog inputs
- Local buffer of 13 000 measurement cycles for transfer network failures (135 days with 15min logging frequency)
- Expected battery life over 10 years with factory installed EVE ER26500M 3.6V 6Ah
- Compatible batteries e.g. SAFT LSH14 and ULTRALIFE ER26500M
- Reports battery voltage to server
- Operating temperature -25°C ... +55°C
- Operating RH 5%...95% non-condensing
- Flanged PC plastic enclosure IP65
- IP44 with cable glands for wiring
- (WxHxD 145 x 90 x 55mm)
- LoRa antenna included

Typical applications

Condition and environment monitoring in off-grid locations, or for installation simplicity

Mobile user interface

- HTTP(S) protocol allows easy server interface and application development
- Easily configured with a single SMS message

Extra features

Optional cloud service for reporting and device management