# CMi2110

## Integrated meter module for Landis+Gyr UH50

CMi2110 is a meter communication module mounted inside a Landis+Gyr UH50 heat meter to act as a Gateway for the mobile network. The module is easily installed via SMS, and is thereafter ready to read the meter and deliver customized meter data reports to a receiving system via the mobile network. CMi2110 is configurable by SMS and can receive software updates over the air.



## Technical specification

### Mechanics

| | |
|---|---|
| Protection class | IP54 |
| Dimensions (w x h x d) | 85 x 38 x 25 mm |
| Mounting | In Landis+Gyr UH50 module slot |
| Weight | 30 g |

### Electrical connections

| | |
|---|---|
| Supply voltage | WZU-AC110/230-50 or WZU-ACDC24-50 |
| M-Bus connection | Push-pull connector, cable area 0.2-0.75 mm² |
| USB slave port | Type micro B |
| Network | Mobile (Radio) |

### Electrical characteristics

| | |
|---|---|
| Nominal voltage | 100-240 VAC (+/- 10%) |
| Power consumption (max) | <6 W |
| Power consumption (nom) | <1 W |

### Environmental specifications

| | |
|---|---|
| Operating temperature | -20 °C to +55 °C |
| Operating humidity | 5% to 90%, non-condensing |
| Operating altitude | 0-2000 m |
| Pollution degree | Degree 2 |
| Usage environment | Indoors |
| Storage temperature | -40 °C to +85 °C |

### M-Bus

| | |
|---|---|
| Interfaces | Integrated M-Bus Master |
| M-Bus standard | EN 13757 |
| Maximum number of M-Bus devices | 128 |
| Transparent M-Bus | TCP/IP and GSM |
| Decryption | No |
| M-Bus baud rate | 2400 and 9600 bit/s |

### User interface

| | |
|---|---|
| Green LED | Power |
| Red LED | Error |
| Push button | Factory reset |
| Configuration | SMS, HTTP, GSM CSD, Telnet |

### Approvals

| | |
|---|---|
| EMC | EN 61000-6-2, EN 61000-6-3 |
| Safety | EN 61010-1, CAT 2 |

### Data storage (examples)

| | |
|---|---|
| 1 meter | 15 minute values: ~200 days, Hourly values: ~800 days |
| 32 meters | 15 minute values: ~6 days, Hourly values: ~25 days |
| 64 meters | 15 minute values: ~3 days, Hourly values: ~12 days |
| 128 meters | 15 minute values: ~1 day, Hourly values: ~6 days |

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