



Smart Connections

NEUTRON4-3G

Neutron4-3G is an independent AMR unit for pulsed consumption meters. It's amazingly easy to install and use.

Neutron4-3G reads up to 4 meters hourly, half-hourly or quarterly, and delivers data to the server in the mobile data network. With surface mounting, it's easy to place virtually anywhere, especially nice for gas and water meters. Meter supporting, the data is accurate for invoicing.



ionSign provides a cloud service for reporting and device management. However, Neutron4-3G can also directly transmit to any EMS, BMS, etc. Bespoke integrations are easy to design.

Technical specifications

- Integrated 3G GSM module
- 4 standard S0 pulse inputs for open collector and relay outputs of measuring devices
- Hourly, half-hourly or quarterly data
- Local buffer for transfer network failures (38 months for 60min data, halved for shorter)
- SMA connector for external antenna
- Plug-in power supply and antenna included
- Operating voltage 11...13 VDC
- Current consumption 100mA (peak 200 mA)
- Operating temperature -25°C ... +50°C
- Operating humidity 5%...95% non-condensing
- Flanged ABS plastic enclosure
- (WxHxD 125 x 51 x 25mm)
- IP20

Typical applications

- Electricity measurement
- Energy measurement
- Water measurement
- Gas measurement

Mobile user interface

- Easy to control with SMS messages
- Standard HTTP protocol allows easy server interface and application development
- Easy to install and setup, configuration with a single SMS

Extra features

- Optional cloud service for reporting
- Available with enclosure for higher IP class

Optional hardware set-ups

- Basic mode: 4 S0 pulse inputs
- T mode: 2 temperature inputs, 2 pulse inputs
- Repeater mode: 2 pulse inputs and 2 pulse outputs