



*Smart Connections*

## *ionSign* NEUTRON-4

Neutron-4 is a general purpose pulse counter for both domestic and industrial use. It is very easy to install, setup and use.

Neutron-4 is designed to collect any kind of utility consumption data from pulse generating consumption meters – like electricity and water meters – and deliver it to a server over the GSM network. Data is accurate for invoicing.

ionSign provides a server application and web interface for reporting. Client specific server interfaces and applications are also easy to design.

By default, data is logged every hour and reported on a daily basis. Optionally readings may be sent to the server periodically, starting from a few minutes logging interval.



### ***Technical specifications***

- Integrated 2G GSM module
- 4 pulse inputs for open collector and relay outputs of measuring devices
- S0 pulse interface
- Real-time clock
- 30 days data buffering capacity
- SMA connector for external antenna
- 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 mobile SMS interface
- Standard HTTP protocol in reporting allows an easy server application development
- Easy to install and setup. Only one SMS needed and you are ready to go

### ***Extra features***

- Optional server application which is easy to install and use
- Available with installation enclosure for higher IP class

### ***Optional set-ups***

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