

# PS Communicator and pumpMANAGER

## Remote Communication Device and Cloud Management Service



The LORENTZ PS Communicator and pumpMANAGER service combine to offer customers a cost effective full management and monitoring system for their LORENTZ pump estate. This is attractive to commercial farms, industrial processes, government or NGO monitoring and anywhere that water is critical to people, livestock or crops.

The PS Communicator sends data from each pump across the cellular (mobile) data network to a secure central web server application called pumpMANAGER. The pumpMANAGER application can be accessed from any web connected device anywhere in the world making access to information and control of your solar pumps simple and

convenient. As the connection is two way the pumps can be programmed, speed controlled or switched off, providing full remote control. The pumpMANAGER application also monitors the status of your LORENTZ pumps systems and will alert you if there are any unexpected events.

### Benefits

- Actively monitor your water critical processes and applications, perfect for drinking water, livestock or irrigation
- Monitor exactly what is happening on remote sites from one simple to use management screen
- Have control of the time and quantity of water that is moved by your pumps from any web connected device
- Have access to ready integrated, information rich services without the need to invest in expensive equipment or infrastructure
- Allow your nominated service partner to gain access remotely to diagnose any performance issues
- Pro-actively know when there is a problem and achieve the fastest resolution with minimal impact on your water supply
- Auto configuring, low cost simple to buy and use service

### Features

#### PS Communicator

- Self-contained controller and GPRS/cellular modem
- Solar powered with backup battery
- Automatically pairs with up to eight pumps that are in Bluetooth range – pumps must have PS DataModule installed
- Connects to each pump in turn and sends current running data and status via the Internet to a central server
- All data is encrypted and secure
- Local irradiation measurement
- Future proof design with over the air upgrades and hardware for additional inputs and outputs

#### pumpMANAGER

- Remote monitoring configuration and management of LORENTZ pumps
- Cloud based service for access from any internet enabled device (PC, tablet or cellphone)
- Active reporting of any alerts or problems
- Ability to switch on, switch off, monitor external sensors and control pump speed remotely
- Inclusive monthly fee for cellular data access, application updates and web service
- Customer, manager and technician views



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Part of the LORENTZ Connected range of products for monitoring and control of solar water pumping systems

To find out more visit [www.lorentz.de](http://www.lorentz.de)

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