

# PS Communicator

Communication device for remote monitoring and management of LORENTZ Pump Systems

## ORDER INFORMATION

- Item no.: 19-000295    product name: PS Communicator without battery

## FEATURES

- Self-contained controller and GPRS/cellular modem
- 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 mobile Internet to a central LORENTZ server
- All data is encrypted and secure
- **Only for use in combination with LORENTZ pumpMANAGE cloud based service**, which provides:
  - Remote monitoring configuration and management of LORENTZ pumps
  - 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



## PRODUCT CONTENT

The required battery and PV module must be ordered separately. Locally purchased parts must meet the following characteristics.

### Battery:

- Sealed 12V AGM lead acid battery
- Min. capacity: 5Ah
- Max. dimensions (LxWxH): 151 x 70 x 100 mm

### PV module:

- Max.  $V_{oc}$ : 40 V
- Max.  $I_{sc}$ : 2.5 A

Accurate local irradiation measurement only with LORENTZ module LC20-12M.

## TECHNICAL DATA

- Global SIM card preinstalled
- Enclosure class: IP54
- Ambient temperature: -15 to 50°C
- Bluetooth standard: class 1
- GPRS terminal standards needed
- Manual with further information is available in PartnerNet
- Meets the requirements for CE

## DIMENSION/WEIGHT

- Packing dimensions: 270 x 250 x 230 mm  
10.6 x 9.8 x 9.1 in
- Weight: 2.8 kg / 6.2 lbs

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All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations.

# LC20-12M for PS Communicator application

PV module LC20-12M, pre-wired, with fixture, for power supply and irradiation measurement of the PS Communicator

## ORDER INFORMATION

- **Item no.:** 23-000255    **product name:** LC20-12M, PV-Module, Pre-wired, with Fixture  
can be ordered in connection with PS Communicator only

## FEATURES

- **Only for use in combination with PS Communicator:**
  - Reliable battery charging
  - Accurate irradiation measurement
- Sturdy, clear-anodized aluminum frame
- Pre-wired cable for easy installation
- Fixture device included

## TECHNICAL DATA

Peak Power	20 Wp
Max. power current	1.2 A
Max. power voltage	17.2 V
Short circuit current	1.3 A
Open circuit voltage	21.6 V

- Meets the requirements for IEC and CE

## DIMENSION/WEIGHT

- Packaging dimensions:    750 x 310 x 40 mm  
   29.5 x 12.2 x 1.6 in
- Total weight:                3.5 kg / 7.7 lbs



# External Antenna for PS Communicator

External antenna for the PS Communicator for areas with weak GSM signal

## ORDER INFORMATION

- Item no.: 19-003860      Product name: Antenna, external

## FEATURES

- Only in use with the PS Communicator
- Accurate alignment of the antenna with the PumpScanner software

## TECHNICAL DATA

- Frequency range: 824-960 / 1710-2170 Mhz
- Connector: SMA-Male
- Cable length/type: 3 m / SYV 75-3
- Outer cable diameter: 5 mm
- Manual with further information is available in PartnerNet
- Meets the requirements for CE

## RELATED PRODUCTS

### PS Communicator

- Communication device for remote monitoring and management of LORENTZ Pump Systems  
Item no.: 19-000295

## DIMENSION/WEIGHT

- Packing dimensions:      200 x 180 x 80 mm  
   7.9 x 7.1 x 3.1 in
- Weight:                        0.5 kg / 1.1 lbs

