LORENTZ

PS2-100 Well Probe

Mechanical float switch for run-dry protection of PS2-100 solar pumps

The PS2-100 Well Probe provides a reliable method of run-dry protection. It detects that water is present within a well, tank or other water source. The well probe is typically attached to the riser pipe above the pump and connected to the controller. When the well probe becomes dry (water level is below the probe) the pump switches off to avoid dry running.

ORDER INFORMATION

Item no.: 19-000007   **Product name:** Well Probe with 15 m / 49 ft cable and a XT-30F plug

FEATURES

- Reliable run-dry protection
- Simple to install using pre-fitted plug
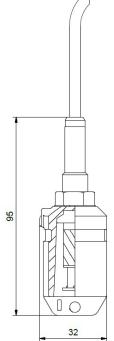
TECHNICAL DATA

- Max. operating temperature 55°C / 131°F
- Enclosure class: IP68
- Submersion depth: max 50 m / 164 ft
- Wire size: 2 x 0.75 mm² or AWG 19, waterproofed
- 15 m / 49 ft cable with XT-30F plug
- Must be mounted in a vertical position
- Meets the requirements for CE

DIMENSION / WEIGHT

- Packaging dimensions: 205 x 160 x 80 mm
                                         8.1 x 6.3 x 3.1 in
- Total weight: 0.85 kg / 1.9 lbs

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PS2-100 Motor Extension Cable

Cable with plugs to extend the motor cable on PS2-100 systems

This 15 m / 50 ft cable is used to extend the motor cable on PS2-100 pump systems. The cable has a 3 pin MT-60M connector on one end and a MT-60F connector on the other end. The extension cable comes with a waterproof connector tube which seals the cable connection and provides strain relief.

ORDER INFORMATION

- **Item no.:** 19-001220
- **Product name:** PS2-100 15 m / 50 ft Motor Extension Cable

FEATURES

- Cable with plugs
- Simple to install
- Includes waterproof connector tube

TECHNICAL DATA

- Operating temperature: -10°C to 55°C / 14°F to 131°F
- Storage temperature: -10°C to 55 °C / 14°F to 13°F
- Cable length: 15 m / 50 ft, waterproof
- Wire size: 3 x 2.5 mm² or AWG 14
- Meets the requirements for CE

DIMENSION / WEIGHT

- Packaging dimensions: 385 x 385 x 130 mm
                         15.1 x 15.1 x 5.1 in
- Total weight: 3.6 kg / 7.9 lbs

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PS2-100 Float Switch

Mechanically activated device for water level detection

The PS2-100 Float Switch can be used to detect the water level in a tank. When the water level in the tank reaches the maximum the LORENTZ PS2-100 Controller will stop the pump and indicates tank full LED.

ORDER INFORMATION

- **Item no.:** 19-000032   **product name:** PS2-100 Float Switch with 10 m / 33 ft cable

FEATURES

- NC (normally closed) function
- Reliable water level detection
- Simple plug-in installation
- Trouble-free operation
- Not sensitive to rotation
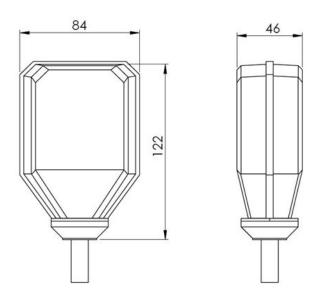- Corrosion-free

TECHNICAL DATA

- Operating temperature: -10°C to 55°C / 14°F to 131°F
- Storage temperature: -10°C to 55°C / 14°F to 131°F
- Enclosure class: IP68
- Cable length: 10 m / 33 ft, waterproof
- Meets the requirements for CE

DIMENSION / WEIGHT

- Packaging dimensions: 250 x 205 x 105 mm
                                          9.8 x 8.1 x 4.1 in
- Total weight: 1.9 kg / 4.2 lbs

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PS2-100 Extension Cable for Well Probe / Float Switch

Cable with plugs to extend the well probe / float switch cable on PS2-100 systems

This 15 m / 50 ft cable is used to extend the well probe cable on the PS2-100 pump system. The cable has a 2 pin XT-30M connector on one end and a XT-30F connector on the other end. The extension cable comes with a waterproof connector tube which seals the cable connection and provides strain relief.

ORDER INFORMATION

- **Item no.:** 19-001240
- **Product name:** PS2-100 15 m / 50 ft Well Probe / Float Switch Extension Cable

FEATURES

- Cable with plugs
- Simple to install
- Includes waterproof connector tube

TECHNICAL DATA

- Operating temperature: -10°C to 55°C / 14°F to 131°F
- Storage temperature: -10°C to 55°C / 14°F to 131°F
- Enclosure class: IP68
- Cable length: 15 m / 50 ft, waterproof
- Wire size: 2 x 1 mm² or AWG 17
- Meets the requirements for CE

DIMENSION / WEIGHT

- Packaging dimensions: 250 x 205 x 105 mm
  8.1 x 8.1 x 4.1 in
- Total weight: 0.7 kg / 1.5 lbs

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PowerPack 150S
DC power supply for PS2 pump systems

Description

An outdoor rated power supply unit to allow LORENTZ PS2-100 to PS2-150 systems to be powered from an AC (mains voltage) power source. The PowerPack can be used as a continuous supply, in conjunction with PV modules or as a temporary or seasonal supply.

Features

- DC power supply to power LORENTZ solar pump systems from the grid or a generator
- Robust weatherproof housing
- External on / off switch
- Use of MC4 connections to allow quick change over from PV modules to PowerPack
- DC inputs and outputs allow for permanent connection of a solar array
- 1m AC connection cable - NEMA 5-15P (US Plug) or CEE 7/7 (EU Plug)
- Requires a tool to open the housing
- Designed to be used with the LORENTZ PS2-100 to PS2-150 systems

photo may differ from actual product

Ordering and shipping information

- Packed volume: 0.03 m³ (1.03 ft³)
- Packed weight: 3.6 kg (7.1 lbs)
- See next page for item numbers and variants

Approvals and standards

The switch mode power supply has the following approvals

- EN62368-1
- IEC 62103
- IEC 61000-6-2
- IEC 61000-6-4
- AS/NZS 60950-1
- UL62368-1

CE

Technical data / Specifications

	PowerPack 150S
For use with these Pump systems	PS2-100
	PS2-150
AC input	100-260 V AC / 50 - 60 Hz
DC output	24 V - 13.4 A
Maximum PV input	50 V DC
PV in connections	2 x MC4
DC out connections	2 x MC4
AC input	IEC C14 female (US or EU cable supplied)
Environmental protection	IP23
Housing material	Polycarbonate

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Order information

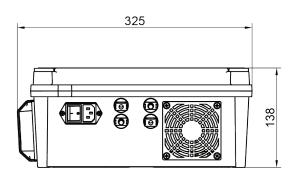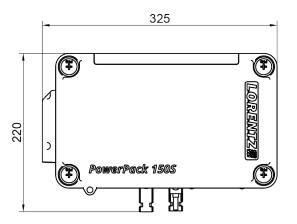| Item number	Description
19-005290	PowerPack 150S, EU
19-005295	PowerPack 150S, US

Mounting options

- Wall or panel mount using 4 holes with weather protection

Dimensions and weight

- See drawing for mm measurments
- Max height 220 mm (8.7")
- Max width 325 mm (12.8")
- depth 138 mm (5.4")
- Weight 2.9 kg (6.4 lbs)

325

138

325

220

PowerPack 150S

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