



PUDU Mobile Water Station

User Manual (V1.0)

Model: SDBC02

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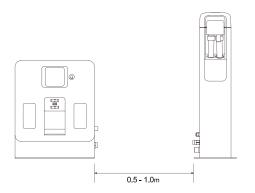
1. 安全须知

1.1 使用须知

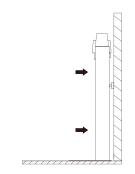
- 移动水站的使用者应接受技术支持人员的专业培训。
- 移动水站的使用,需搭配固定式工作站。
- · 移动水站放置的位置应为常温的室内场景,禁止将移动水站放置干高温区域(>40°C)或低于0°C使用。
- 发现移动水站损坏,请停止使用。
- · 小心保护电源线,水管。避免拉拽,扭曲。
- · 严禁移动水站与外物碰撞,造成移动水站损坏。
- 请勿在易燃易爆物体附近使用移动水站。
- · 移动水站出现冒烟、烧焦气味,表示移动水站异常,请立即断开移动水站电源,并联系普渡工作人员。
- 水管接头处请务必拧紧
- 如需使用清洁剂,请勿直接在移动水箱内添加,请将清洁剂添加至固定式工作站侧面的清洁剂容器内。

1.2 环境须知

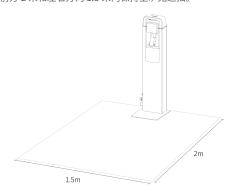
- ・工作环境温度: 0°C~40°C, 相对湿度: ≤ 90% (<40°C)。
- ·存储环境温度: -20°C~60°C,相对湿度≤85%,存储1年。
- · 工作环境要求:
- 1. 请将移动水站的基座位置,部署在固定式工作站右侧,建议距离为 1m 以内。



2. 移动水站的基座,需放置干平整的地面上使用,背靠平整墙面,通过侧向连接组件,同墙面或地面固定。



- 3. 移动水站周围不能有易燃物品。
- 4. 保证固定式工作站前方 2 米和左右方向 1.5 米内保持空旷无遮挡。



2. 产品介绍

2.1 包装清单

移动水箱 x1、基座 x1、电源连接线 x1、污水管 x1、清水管 x1,说明书 x1。

2.2 外观介绍

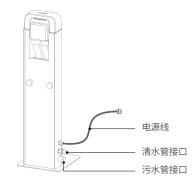
移动水箱





基座





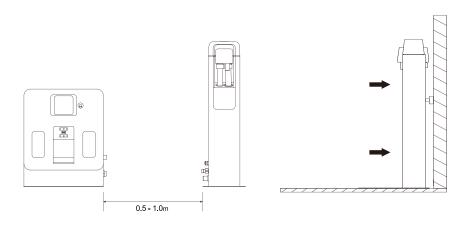
2.3 规格参数

产品特性	说明
产品名称	移动水站
产品功能	同固定式工作站组合使用,免场地内的水路改造,支持机器人自动加排水。
机身尺寸	基 座: 262(L)* 230(W)* 787(H) mm
	移动水箱: 480(L)* 470(W)* 740(H) mm
重量	基 座: 8 KG
	移动水箱: 20 KG
移动水箱容积	清水箱: 30 L
	污水箱: 30 L
连接方式	同固定式工作站连接电路和水路。
电源输入	29.2 Vdc, 2.5 A
工作环境	温度: 0~40°C; 湿度: ≤ 90%RH (40°C)
存储环境	-20°C ~60 °C
安装要求	基座需地面固定或背面靠墙固定。
外部依赖	固定式工作站

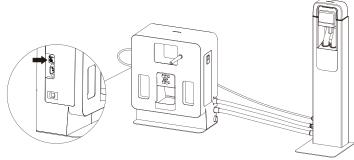
3. 产品使用

3.1 使用说明

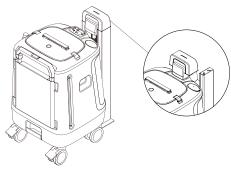
- ①. 移动水站由2部分组成:基座+移动水箱,需配合固定式工作站一起使用。使用前,请确保固定式工作站已部署在合适位置(插电即可)。
- ②. 将基座放置在固定式工作站右侧,将基座的底盘与地面固定或者背靠墙面;确保基座稳定不易移动。



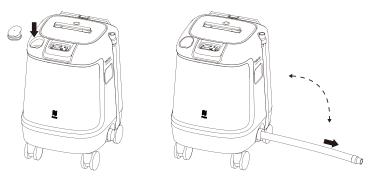
③. 将基座的电路插入固定式工作站外接电源插口,基座上方指示灯显示蓝色常亮;使用污水管和清水管,分别将移动水箱和和固定式工作站的水路连接起来。



④. 将移动水箱推动到基座前方,将基座上方的连接头和移动水箱对接,基座上方的指示灯由蓝色变为绿色,说明已经部署成功。



⑤. 日常使用时,将移动水箱推到方便加、排水的地方,将移动水箱内加满清水、并将污水排空。



- ⑥. 将水量充足的移动水箱和基座连接后(参考④中描述),并确保机器人使用的该地图内已经部署工作站,并将此工作站使用方式设置为"使用移动水站"。
- ⑦. 部署已完成,机器人可实现自动加排水的功能。
- ⑧. 使用过程中,当移动水箱内的清水量不足或者污水箱满时,机器人会立即停止加、排水; 在手机端app(pudulink)和机器人主页上均有提示,及时提醒人工为移动水箱换水; 将基座上方连接头从移动水箱上取下后,按⑤中说明,为移动水箱换水。

3.2 灯效显示

状态	说明
蓝色常亮	基座和固定式工作站电路已正常连接,但移动水箱未和基座连接。
绿色常亮	移动水箱连接成功,且内部水量充足,可支持机器人自动加排水。
红色常亮	移动水箱中污水箱已满。
红色闪烁	基座同工作站连接异常或发生故障。

3.3 维护与养护

- ・基座或移动水箱脏污、有灰尘,请使用柔软、干净的无尘布擦拭清洁。
- 定期清理移动水箱的污水箱内壁
- ·如基座或移动水箱出现裂痕、变形、漏水、无法加排水等情况,请断开基座与工作站连接的电源和水路,及时联系售后服务。

4. 售后服务

4.1 免费保修服务

公司承诺符合以下情况,自产品收货之日起,在产品有效保修期内(产品的不同部件保修期限有所不同),符合如下情况的将提供免费的产品保修服务:

- 自购买产品在规定的产品保修期限内正常使用, 出现非人为的质量问题;
- 无擅自拆机、无非官方说明书指引的改装或加装、其它非人为引起的故障;
- 产品序列号、出厂标签及其他标示无撕毁、涂改迹象;
- 提供有效的购买证明、单据及单号;
- 免费保修期内更换的损坏备件属公司所有,应按公司要求寄回。

4.2 保修范围外的售后服务

- ・ 对于不在免费保修范围内的售后服务(超出保修期或者在保修期内不符合免费保修条款),公司提供收费售后服务;
- 公司官方提供线上和远程技术支持渠道,客户需配合技术工程师进行问题诊断和故障处理;
- 经技术工程师诊断必须上门解决问题的,指派专业技术人员提供上门服务;
- · 不在免费保修范围内的售后服务,需按照要求填写《售后服务记录表》;
- · 服务费用包含: 售后维护费用以及备件费用。

4.3 售后服务咨询

如果您有任何问题需要咨询,请联系普渡科技客服热线: 400-0826-660。 普渡科技售后人员服务工作时间是: 每周一至周六,上午9: 30至12: 00,下午13: 30至18: 30 Copyright © 2024 Shenzhen Pudu Technology Co., Ltd. All rights reserved.

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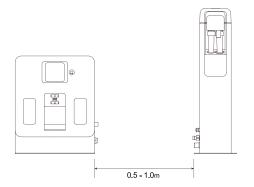
1. Safety Instructions

1.1 Instructions for Use

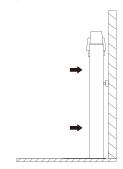
- Users of the mobile water station should undergo professional training provided by technical support personnel.
- The mobile water station must be used in conjunction with a fixed workstation.
- The mobile water station should be placed in an indoor area at room temperature. Do not place the mobile water station in areas above 40° C or below 0° C.
- · Cease use if the mobile water station is damaged.
- Handle the power cord and water hose with care to avoid pulling or twisting.
- Avoid collisions with external objects to prevent damage to the mobile water station.
- Do not use the mobile water station near flammable or explosive materials.
- If the mobile water station emits smoke or a burnt odor, it indicates an abnormality. Please disconnect the power supply immediately and contact Purdue personnel.
- Ensure that the water hose connections are securely tightened.
- Do not add cleaning agents directly into the mobile water tank. Add cleaning agents to the cleaning agent container on the side of the fixed workstation.

1.2 Environment instruction

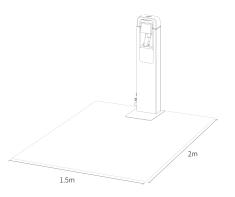
- Operating temperature: 0° C ~ 40° C, relative humidity: ≤ 90% (<40° C).
- Storage temperature: -20° C ~ 60° C, relative humidity: ≤ 85%, for up to 1 year.
- · Operating environment requirements:
- 1. Place the base of the mobile water station within 1m on the right side of the fixed workstation.



2. The base of the mobile water station must be placed on a flat surface and secured to the ground or against a flat wall using side connection components.



- 3. Ensure there are no flammable materials around the mobile water station.
- 4. Maintain a clear space of 2 meters in front and 1.5 meters on the left and right sides of the fixed workstation.



2. Product introduction

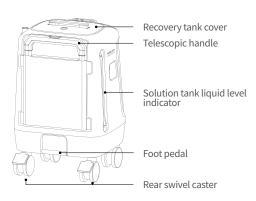
2.1 Packing list

Mobile water tank x1, base x1, power connection cable x1, sewage pipe x1, clean water pipe x1, user manual x1.

2.2 Appearance introduction

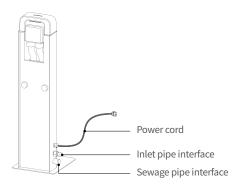
Mobile water station





Base





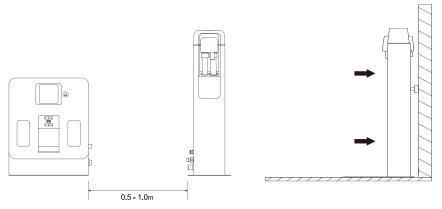
2.3Technical Parameters

Product Characteristics	Description
Product Name	Mobile Water Station
Product Function	Used in conjunction with a fixed workstation, eliminates the need for water pipeline modifications in the workspace, supports automatic water filling and draining by robots.
Dimensions(L,W,H)	Base: 262 x 230 x 787 mm
	Mobile water tank: 480 x 470 x 740 mm
Mainlet	Base: 8kg
Weight	Mobile water tank: 20kg
Mobile Water Tank Capacity	Clean water tank: 30L
	Sewage tank: 30L
Connection Method	Electrical and water connections with the fixed workstation
Input vlotage	29.2 Vdc, 2.5 A
Working Environment	Temperature: 0 to 40° C; Humidity: ≤ 90%RH (40° C)
Storage Temperature	-20°C ~60 °C
Installation Requirements	The base must be fixed to the ground or against a wall
External Dependencies	Fixed workstation

3. Product Use

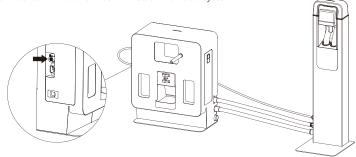
3.1 Instructions for Use

- ①. 1.The mobile water station consists of two parts: the base and the mobile water tank, which must be used together with the fixed workstation. Before use, ensure that the fixed workstation is deployed in the appropriate location (plug in the power).
- ②. Place the base on the right side of the fixed workstation and secure the base to the ground or against a wall. Ensure the base is stable and not easily moveable.



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③. Insert the base's electrical circuit into the external power socket of the fixed workstation. The indicator light on top of the base will show a steady blue light. Connect the sewage pipe and clean water pipe to link the mobile water tank with the fixed workstation's water system.



4. Push the mobile water tank in front of the base, connect the coupling on top of the base to the mobile water tank, and the indicator light on top of the base will change from blue to green, indicating successful deployment.



(5). During daily use, push the mobile water tank to a convenient location for water filling and draining. Fill the mobile water tank with clean water and empty the sewage tank.



- ⑥. After connecting the water-sufficient mobile water tank to the base (as described in step ④), ensure that a fixed workstation is deployed within the map area and set the usage mode of this workstation to "Use Mobile Water Station."
- The deployment is completed, and the robot can now automatically fill and drain water.

8. If the water level in the mobile water tank is low or the sewage tank is full during use, the robot will immediately stop the water filling and draining process. Prompt reminders will be available on the mobile app (Pudulink) and the robot's homepage. Replace the water in the mobile water tank by disconnecting the coupling on top of the base from the mobile water tank and following the instructions in step ⑤.

3.2 Indicator Light Display

Indicator light	State
Steady Blue	Base and fixed workstation electrical circuits are properly connected, but the mobile water tank is not connected to the base.
Steady Green	Mobile water tank successfully connected, and water levels are sufficient for automatic filling and draining by the robot.
Steady Red	Sewage tank in the mobile water tank is full.
Flashing Red	Abnormal connection or malfunction between the base and fixed workstation.

3.3 Maintenance and Care

- Use a soft, clean, dust-free cloth to wipe down the base and mobile water tank if dirty or dusty.
- Regularly clean the interior walls of the sewage tank in the mobile water tank.
- In case of cracks, deformation, leaks, or water filling/drainage issues with the base or mobile water tank, disconnect the power and water connections from the fixed workstation and promptly contact customer service.

4.After Sales Service

4.1 Free warranty service

The company promises to meet the following conditions, from the date of product receipt, within the effective warranty period of the product (the warranty period of different parts of the product is different), Free product warranty service will be provided if the following conditions are met:

- Since the purchased product is used normally within the specified product warranty period, there are non-artificial quality problems;
- No unauthorized disassembly, no modification or installation not guided by the official manual, and other non-human failures;
- The product serial number, factory label and other marks are not torn or altered;
- Provide valid proof of purchase, receipt and order number;
- Damaged spare parts replaced during the free warranty period belong to the company and should be sent back as required by the company.

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- The product serial number, factory label and other marks are not torn or altered;
- Provide valid proof of purchase, receipt and order number;
- Damaged spare parts replaced during the free warranty period belong to the company and should be sent back as required by the company.

4.2 After-sales service beyond the scope of warranty

- For after-sales service that is not within the scope of free warranty (beyond the warranty period or does not meet the terms of free warranty within the warranty period), the company provides paid after-sales service;
- If it is necessary to come to the door to solve the problem after the diagnosis of the technical engineer, assign a professional technician to provide the door-to-door service;
- For after-sales service that is not within the scope of free warranty, you need to fill in the "After-sales Service Record Form" as required;
- · Service fee includes: after-sales maintenance fee and spare parts fee.

4.3 After-sales service consultation

If you have any questions,

please contact Purdue Technology customer service hotline: +86 755-86952935.

Email: techservice@pudutech.com

5. Compliance information

5.1 Disposal and recycling information



The Waste Electrical and Electronic Equipment (WEEE) Directive aims to minimize the impact of electrical and electronic goods on the environment, by increasing re-use and recycling and by reducing the amount of WEEE going to landfill. The symbol on this product or its packaging signifies that this product must be disposed separately from ordinary household wastes at its end of life. Be aware that this is your responsibility to dispose of electronic equipment at recycling centers in order to conserve natural resources. Each country should have its collection centers for electrical and electronic equipment recycling. For information about your recycling drop off area, please contact your related electrical and electronic equipment waste management authority, your local city office, or your house hold waste disposal service.

5.2 Federal Communications Commission compliance statement

The following information applies to Pudu robotic.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- · This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired
 operation.

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