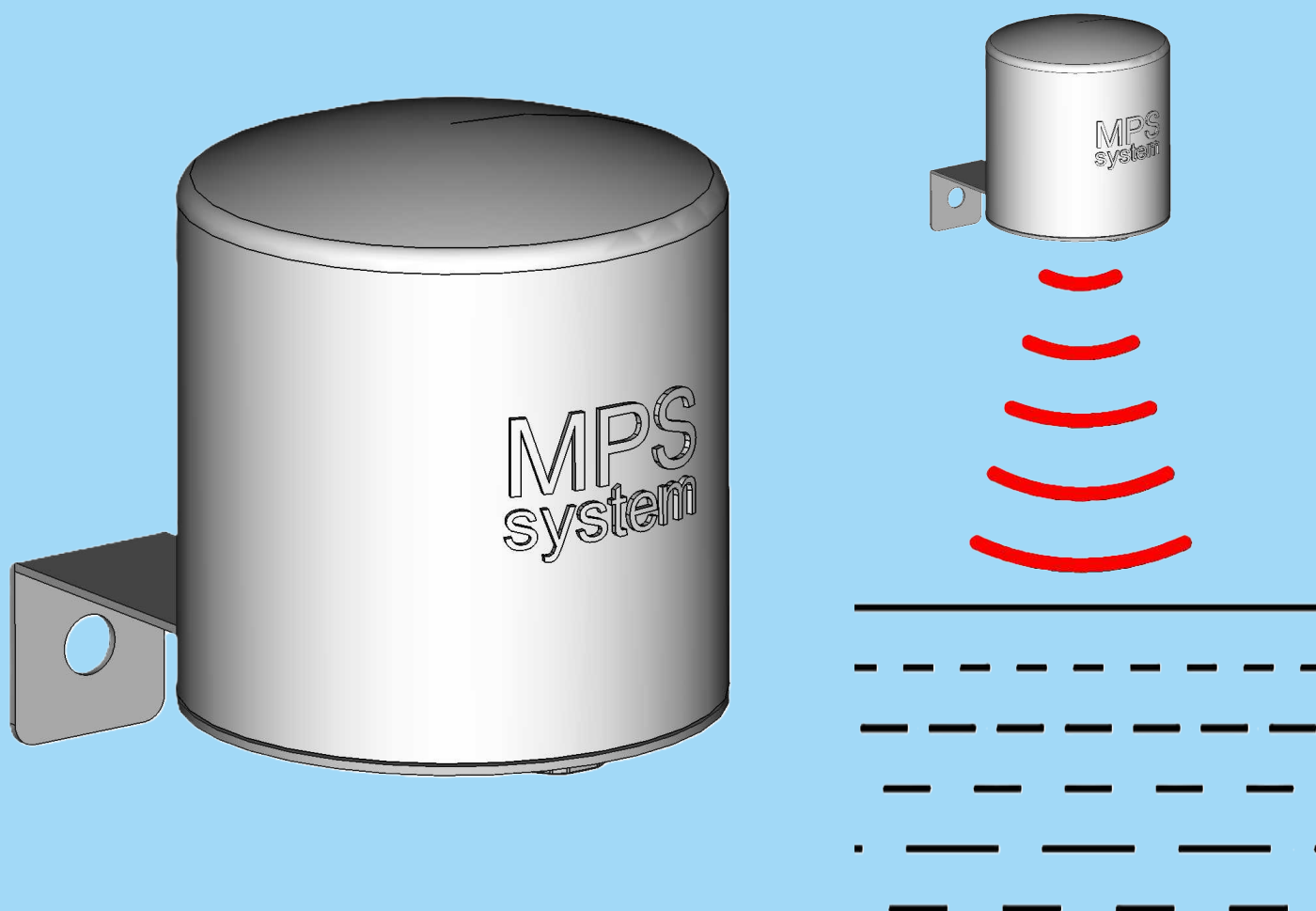


WL_M *Microwave water level sensor*

MPS
system
Since 1992



The WL_M is designed to provide precise and reliable water level measurements using advanced microwave sensing technology. The same hardware configuration is used for all applications – monitoring groundwater, rivers, and reservoirs. A dedicated algorithm for various applications can be achieved by simply changing the firmware.

Application:

- Hydrology
- Water management
- Underground water monitoring
- Environmental monitoring systems
- Climate research projects
- Agricultural and industrial hydrology

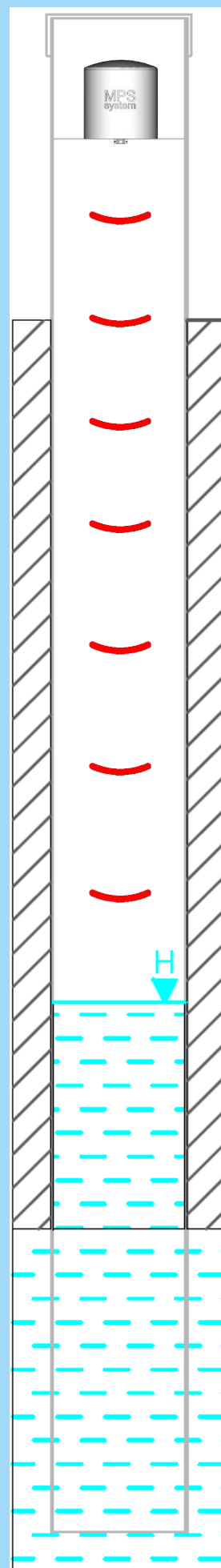
Key features:

- Advanced microwave sensing technology
- Optional a built-in battery with a lifespan of 5-10 years
- Bluetooth LE for sensor configuration and communication between the logger and sensors
- Configurable measurement and transmitting interval
- Configurable alarm notifications

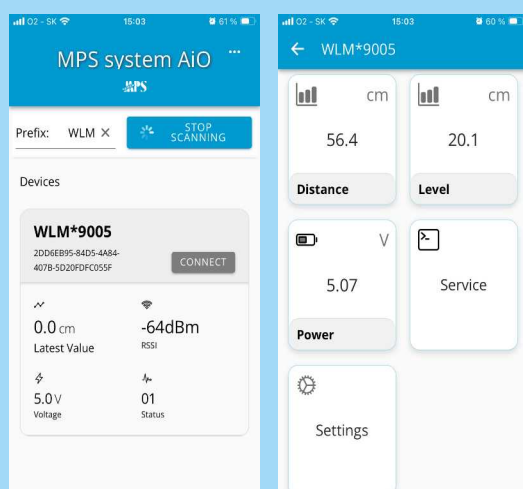
Sensor Series

TECHNICAL SPECIFICATION	WL_M	WL_M ULP* (BAT.)
Measurement range	0,25 ÷ 10 m	0,25 ÷ 10 m
Accuracy	± 1 cm	± 1 cm
Wired communication	SDI-12 / Modbus (RS-485)	---
Wireless communication	Bluetooth LE	Bluetooth LE
Connector	M12, 8-pin	M13, 3-pin / ---
Battery	No batt.	No batt. / 19 Ah, LiSOCl2
Power supply	8 ÷ 28 VDC	2,2 ÷ 3,9V
Operating temperature	- 30 ÷ 70 °C	- 30 ÷ 70 °C
Operating humidity	0 ÷ 100 %	0 ÷ 100 %
Protection rating	IP 68	IP 68
Material	UV stabilised ABS	UV stabilised ABS
Dimensions	Ø 90 × 95 mm	Ø 90 × 95 mm
Weight	0.4 kg	0.6 kg

**ULP – Ultra Low Power version. It can be powered by an internal LiSOCl2 battery or by an external source with solar charging (MPS11 Solar System).*



MPS AiO BLUETOOTH APPLICATION



Scan for nearby compatible sensors. Display current measurements. Display short-term measurement history in grafical and tabular form. Change sensor settings. Upload firmware.



Web application for Windows:
<https://app.mps-system.sk>

MPS - System s.r.o.
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83106 Bratislava, Slovakia

Phone: +421 905 602 171
info@mps-system.sk
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Technical support
support@mps-system.sk

MPS
system
Since 1992

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grown into an internationally
oriented company with a worldwide
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