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Advanced IoT-enabled RF infrastructure

Fully independent solution for real-time level and temperature monitoring

Stand-Alone Monitoring System

Video Coming Soon



Product overview

The CM2W Stand-alone monitoring solution is a fully independent wireless system for real-time monitoring of fluid levels, environmental and equipment temperatures – without the need for existing site infrastructure.

It combines a compact access point with RF-connected level and temperature sensors and communicates via Wi-Fi or 4G for automatic cloud reporting. The system delivers continuous data, instant alerts for critical thresholds, and remote management through the CM2W IoT platform.

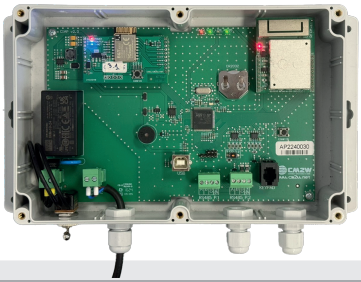
Fast to deploy, easy to scale, this solution is ideal for remote environments requiring reliable, uninterrupted monitoring.

Key benefits

- Continuous wireless monitoring of fluid levels, environmental and equipment temperatures
- Instant alerts for low levels or abnormal temperature changes
- Seamless RF sensor integration with long-range performance
- Built-in Wi-Fi and 4G for automatic data transmission to the cloud
- Remote calibration and configuration via the CM2W IoT platform
- Real-time visualization, alerts, and trend analysis via the web interface
- Fully independent – no need for existing network infrastructure

Product components

Stand-alone access point



Technical specifications	Description
Dimensions	252 x 174 x 56 mm (9.92" x 6.85" x 2.20")
Weight	790 g
Power supply	10 W; 100-240 VAC, 50/60 Hz (integrated)
Sensor connectivity	RF module slot (supports wireless sensors)

Internet connectivity	Data module slot (supports 2G/3G/4G or Wi-Fi modules)
Network coverage range	Up to 100 meters
RS485 serial port	Yes
USB port	Yes
Keyboard port	Yes
Installation requirements	CM2W data and RF communication module
Max. number of sensors	Up to 10 wireless level sensors (incl. 1 reference sensor)
	Up to 10 wireless temperature sensors
	** Expandable with future firmware updates*
Mounting	Panel or wall

Wireless temperature sensor



SCAN ME

Technical specifications	Description
Dimensions	64 x 60 x 20 mm (0.21" x 0.20" x 0.20")
Weight	80 g
Power supply	1 x AAA battery (3 years battery life with 20-second reporting interval)
Connectivity	RF 868 MHz (EU) / RF 915 MHz (US)
Material	PVDF / PTFE
Outdoor coverage range (direct line of sight)	Up to 250 meters
Indoor coverage range (obstructed view)	50 – 100 meters
FOV (Field of view)	88°
Measurement range	5°C to 95°C
Accuracy	± 0.5°C
Installation requirements	CM2W access point module
Monitoring capabilities	Environmental temperature monitoring
	Process / equipment temperature monitoring (e.g., wash cycle heat, heating rate)

Wireless level sensor

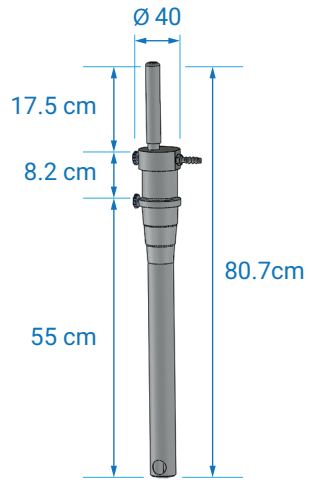
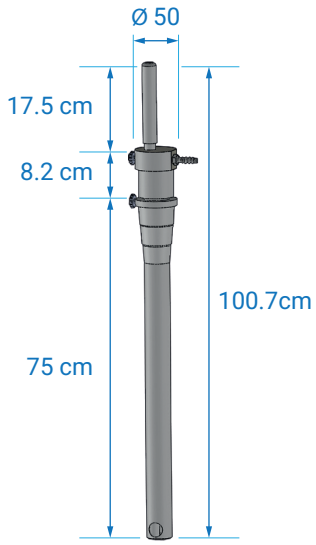
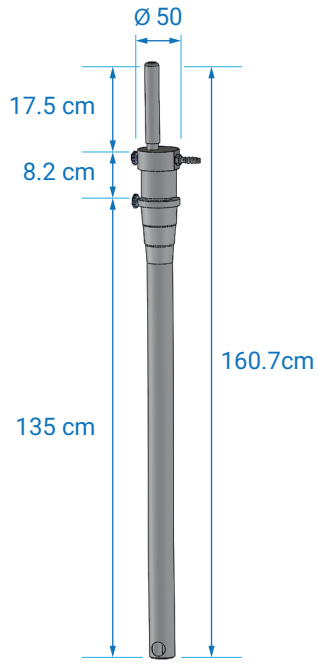


SCAN ME

Technical specifications	Description
Power supply	Replaceable 1 × AAA battery (up to 3 years battery life; 20-sec reporting intervals)
Connectivity	RF 868 MHz (EU) / RF 915 MHz (US)
Material	PP / PVDF

Network coverage range	50 – 100 meters
Measurement method	Contactless sensor
Installation requirements	CM2W access point module
	CM2W wireless reference sensor (required for level sensor calibration)
Monitoring capabilities	Product level monitoring
	Canister temperature monitoring
	Battery status monitoring

Suction lance with wireless level sensor

	Suction lance -- Small --	Suction lance -- Medium --	Suction lance -- Large --
Product variations & dimensions			

Specification	Suction lance with wireless level sensor -- Small --	Suction lance with wireless level sensor -- Medium --	Suction lance with wireless level sensor -- Large --
Length	80.7 cm	100.7 cm	160.7 cm
External diameter	Ø 40 mm	Ø 50 mm	Ø 50 mm
Hose connections	1 connection for tubes	3 connections for tubes	3 connections for tubes
Hose fittings PVDF	Ø 6 mm ID / Ø 10 mm ED	Ø 6 mm ID / Ø 10 mm ED	Ø 6 mm ID / Ø 10 mm ED
Suction opening	Ø 10 mm ID / Ø 16 mm ED	Ø 10 mm ID / Ø 16 mm ED	Ø 10 mm ID / Ø 16 mm ED
Weight	600 g	1050 g	1450 g

** Wireless level sensors (length 230 cm) are also available without suction lances. Custom lengths available upon request.*

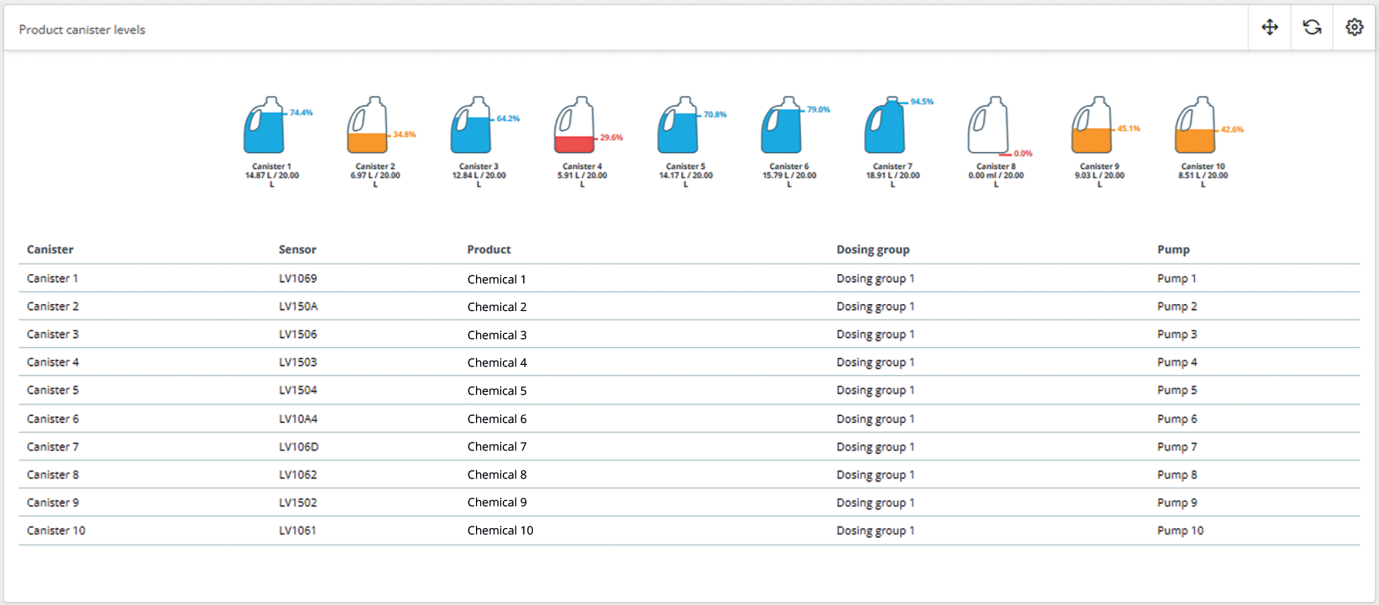
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Monitoring via the CM2W IoT platform

Real-time monitoring and visual reports of fluid levels, environmental and equipment temperature enable timely actions and optimized performance.

Product level status

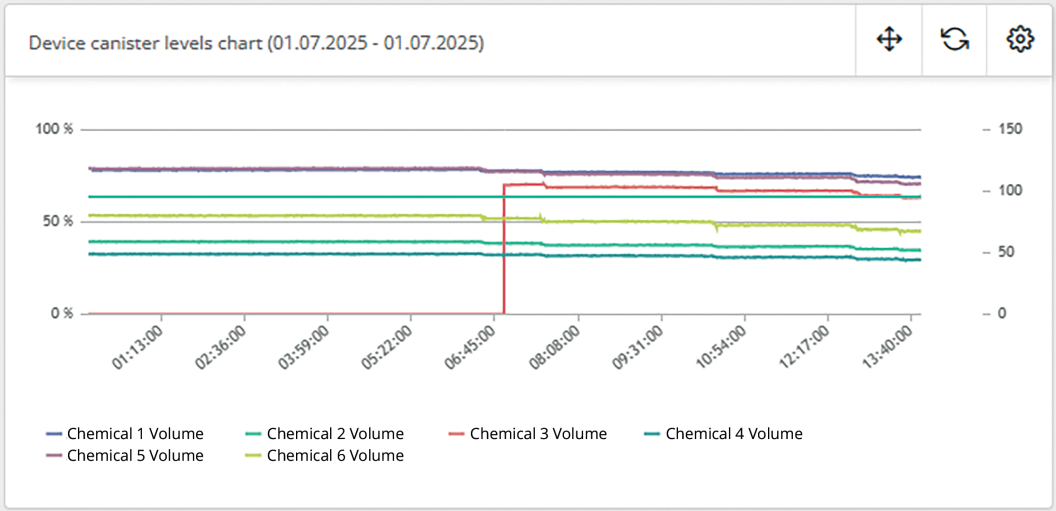
Live visualization of the current product level.



Canister	Sensor	Product	Dosing group	Pump
Canister 1	LV1069	Chemical 1	Dosing group 1	Pump 1
Canister 2	LV150A	Chemical 2	Dosing group 1	Pump 2
Canister 3	LV1506	Chemical 3	Dosing group 1	Pump 3
Canister 4	LV1503	Chemical 4	Dosing group 1	Pump 4
Canister 5	LV1504	Chemical 5	Dosing group 1	Pump 5
Canister 6	LV10A4	Chemical 6	Dosing group 1	Pump 6
Canister 7	LV106D	Chemical 7	Dosing group 1	Pump 7
Canister 8	LV1062	Chemical 8	Dosing group 1	Pump 8
Canister 9	LV1502	Chemical 9	Dosing group 1	Pump 9
Canister 10	LV1061	Chemical 10	Dosing group 1	Pump 10

Product level chart

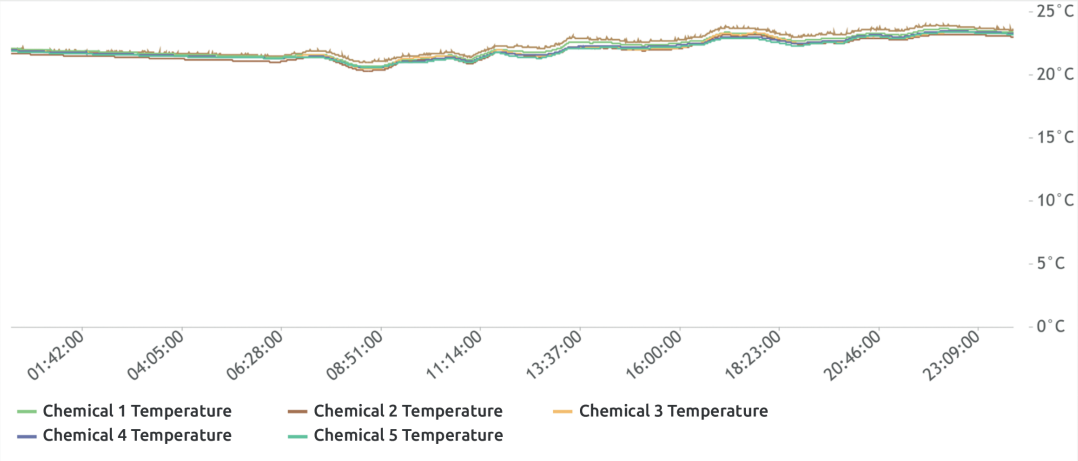
Graphical view of product level changes over a selected time period.



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Environmental temperature chart

Graphical view of environmental temperature trends over a selected time period.



Equipment temperature chart

Graphical view of equipment temperature trends over a selected time period.



Product codes

Component	Code (EU)	Code (USA)
Access point module	ACCPOINT	ACCPOINT
Wi-Fi communication module	DSXTWFDB	DSXTWFDB
Cellular communication module	XT4GPEX	XT4GPUS
RF communication module	RFMOEU	RFMO
Wireless temperature sensor	RFTPIREX	RFTPIRNA
Suction lance with wireless level sensor – Small	WPSL1S-EU	WPSL1S-NA
Suction lance with wireless level sensor – Medium	WPSL3M-EU	WPSL3M-NA
Suction lance with wireless level sensor – Large	WPSL3L-EU	WPSL3L-NA
Wireless level sensor (230 cm, no lance)	WPXL-EU	WPXL-NA
Reference sensor (for level calibration)	WLSRF	WLSRFNA