

XG-80WWL02

Wireless Water Leak Detection

Advanced Wireless Monitoring for Early Leak Detection

The Water Leak Detection Sensor is a high-precision device designed to identify water leaks at an early stage, preventing potential damage and resource wastage. Equipped with high-sensitivity sensors, long-range wireless connectivity, and a durable waterproof design, this sensor is ideal for residential, commercial, and industrial applications.

Key Feature

High Sensitivity Detection:	Detects water levels as low as 0.5mm, ensuring rapid response to leaks.
Wide Temperature & Humidity Range:	Operates efficiently in extreme conditions from -30°C to +70°C and 0% to 100% RH humidity.
Durable & Waterproof Build:	IP67-rated waterproof, dustproof, and UV-resistant housing for long-term reliability in any environment.
Wireless Long-Range Connectivity:	LoRaWAN technology enables data transmission up to 15km in open areas and 5km in urban settings.
Ultra-Long Battery Life:	Powered by a 4000mAh Li-SOCL2 battery, lasting up to 10 years for maintenance-free operation.

Home Protection

Prevents water damage in basements, bathrooms, kitchens, and laundry rooms by detecting leaks early.

Commercial Building Safety

Monitors offices, hotels, and shopping centers to prevent structural damage and costly repairs.

Industrial Water Management

Detects leaks in factories, warehouses, and processing plants, ensuring equipment and inventory safety.

Data Center & Server Room Security

Protects sensitive IT infrastructure from potential water damage, reducing downtime risks.

HVAC & Plumbing Systems

Identifies leaks in heating, cooling, and plumbing systems to improve maintenance efficiency.

Underground & Remote Areas

Monitors hard-to-access water pipes and storage tanks, preventing unnoticed leaks.



High-Sensitivity Sensor

Detects water levels as low as 0.5mm, ensuring rapid leak detection before significant damage occurs.

Rugged & Waterproof Build

IP67-rated waterproof and dustproof design allows reliable operation in harsh environments, including indoor and outdoor settings.



Compact & Space-Saving Design

Slim, lightweight structure enables easy installation in tight spaces like under sinks, near pipelines, or inside equipment enclosures.



Wide Temperature & Humidity Tolerance

Operates effectively in extreme conditions from -30°C to +70°C and 0% to 100% RH, making it suitable for various applications.



Real-Time Monitoring & Insights

Users can track water leak data and analyze historical trends via a dedicated mobile app



Dimension



Advantages

- **Early Leak Detection:** Reduces water damage, mold growth, and maintenance costs.
- **Reliable & Low Maintenance:** Long battery life with up to 10 years of operation.
- **Seamless Wireless Communication:** LoRaWAN technology provides long-range, real-time monitoring.
- **Weatherproof & Durable:** Withstands harsh environmental conditions with IP67 protection.

Specification

Model Number:	XG-80WWL02
Detection Sensitivity:	0.5mm water level
Temperature Range:	-30°C to +70°C
Humidity Range:	0% to 100% RH
Ingress Protection:	IP67 waterproof & dustproof
Power Supply:	4000mAh Li-SOCL2 battery (up to 10 years)
Wireless Connectivity:	LoRaWAN
Wireless Range:	Up to 5km (urban), 15km (open area)
Size:	90(H) × 50(L) × 42(W)mm