

# 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.



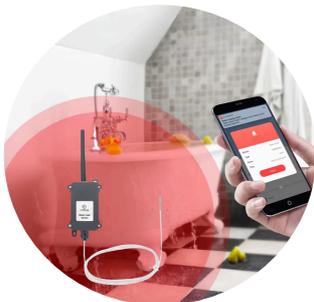
### Wide Temperature & Humidity Tolerance

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