

MT12 Datasheet - Water Detection

MT12 Sensors

Cloud-Managed Sensors that help you have complete visibility across your business environment



Overview

Businesses need a complete view of data to make sound decisions. Businesses need to have visibility into their network availability metrics, capex & opex, and customer satisfaction levels to deliver on their mission. While businesses have a good grip on embracing and utilizing data in the business world, they are yet to fully visualize the physical world.

Current solutions are complicated to install, do not scale and are difficult to use. Hence businesses do not have a simple and reliable way to have visibility into their critical assets to maximize their network uptimes, reduce equipment failure, reduce unnecessary site visits, and deliver best-in-class customer service.

So, Meraki is introducing a range of sensors to prevent loss and increase operational efficiency with ease. Our sensors are simple, scalable and secure. Our sensors also connect to the dashboard using the MV/MR which removes the need for expensive gateways. Customers can now gain real-time visibility into their critical business environment from a single pane of glass.

CLOUD MANAGED SENSORS

The Cisco Meraki MT12 sensors provide water presence monitoring for network closets across industries using BLE (Bluetooth Low Energy) beacons on the MR and MV.

The sensor can detect the presence of at least 3 mL of water

Our sensors are built from the ground up to be easy to manage without compromising on power and flexibility

All Meraki sensors are managed through an elegant, intuitive cloud-based interface

Meraki's centralized management gives administrators granular visibility into their network

INDUSTRY LEADING CLOUD MANAGEMENT

Cloud management has a number of benefits that make it easier to build networks large and small:

Automatic alerts based on customizable thresholds through SMS, Email and Mobile push notifications

Enterprise-grade security which the Cisco Trustworthy Systems seal of approval

Role-based administration

Firmware upgrades and enhancements from the Meraki cloud

Zero-touch provisioning for rapid deployment across sites

Product Highlights

- Single pane of glass for all your networking needs (Camera, IoT, etc)
- Always-on real-time visibility (24/7/365 visibility)
- Flexible alert management
- Peel & Stick installation
- Provision multiple sensors in minutes
- Simple to set up reporting and configuration

Technical Specifications

Sensors

Water Leak	Detect the presence of at least 3 mL of water making contact with the cable or cradle
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Wireless Capabilities

Bluetooth 4.2 Low Energy BLE	Automatically detects and connects to the MV/MR* gateway
Operating Frequency	2.400–2.4835 GHz
IEEE Standard	802.15.1 (BLE 4.2)

Data Logging

Data polling frequency	Event Driven Wake up every 20 minutes to report
Onboard data storage	4000 data points
Security	Secure BLE messaging using LTK(Long-Term Key)

Physical Characteristics

Dimensions	117.1(L)X65.9(W)x 26.0(H)mm
Weight (excluding batteries)	113g
Protection	IPX5 Rated
Battery Compartment	2xAA Battery with upto 5 year battery life
Operating Environment	Temperature: 0°C - 55°C (32F - 131F) Relative Humidity: 0 - 95% RH
Hardware	Multicolor, multifunction status LED General purpose button Reset button USB-C port Water Leak Detection Plug(Female)
Warranty	3 Years

Ordering Information

Meraki MT Water Leak Sensor	MT12-HW
Water Leak Detection Cable(8 ft / 2.4m)	MA-CBL-LEAK-1
Spot Leak Detection Cradle	MA-CBL-LEAK-2
LIC-MT-XY	Meraki Things Enterprise License (X = 1, 3, 5, 7, 10 years)



MA-CBL-LEAK-1 and MA-CBL-LEAK-2 are sold separately, but at least one is required for operation.

In the Box

Unit	MT12-HW
Guides	QIGs
Battery	2 AA Batteries
Mounting equipment	Backplate, Mounting magnet, 3M tape, 2 Mounting Screws, 2 drywall anchors, 1 security screw, 8 cable clips