

NSS225 WATER LEAK SENSOR

SECURE, SCALABLE WIRELESS SENSORS FOR LONG RANGE IOT APPLICATIONS

NviroSense's NSS225 is a **Water Leak Sensor** which is able to detect the water leak status as well as uplink this information to the LoRaWAN Network. At its core, the NSS225 makes use of NviroSense's field proven compact and reliable NviroSense hardware, providing LoRaWAN options in 868, 915, and 923 MHz frequencies. Based on the Semtech SX1262, it offers a LoRa range up to 15 kilometers with a local 2.4 GHz connectivity option to smartphones and tablets. NSS225 Series works with NviroSense's NSS5000 series of LoRa/multi- wireless gateways for simple out-of-the-box integration and is compatible with third-party cloud and LoRa network ecosystem partners.

- **Multi-wireless:** LoRaWAN (868/915/923 MHz) with fully integrated high-performance antennas.
- **Simple wireless configuration** using mobile application.
- **Harsh Environments:** Robust enclosure to serve many varied installation needs.
- **Integrated out of the box networks:** Default configuration with NviroSense's NSS5000 gateways for simple, out-of-the-box cloud connectivity.



KEY SPECIFICATIONS

Category	Feature	Specification
Chipset	LoRa	Semtech SX1272
LoRa	Frequencies	868MHz, 915MHz, 923MHz
Sensors	Water Leak Sensor	Detects the water leak status and sends it to LoRaWAN network
Antenna	Integrated	Custom NS antenna for 868, 915, or 923MHz
		Ceramic chip antenna for 2.4GHz
Power	Battery	CR2032 coin cell
Software	Web Application	NviroSense for Environmental Monitoring: Onsite, Cloud, Hybrid Multi-site or API Monitoring, Reporting & Control
	Mobile application	Android and iOS - Remote sensor display and config + firmware updates
Physical	Dimensions	64mm x 30mm x 14mm
Warranty	Time-period	One-year

FEATURES AT A GLANCE



YOUR WIRELESS NETWORK

Develop a fully owned private LoRa network to capture, route and process IoT data for your application at multiple facilities.



RUGGED DURABILITY WITH A BROAD SENSOR ARRAY

Robust enclosures provide a resilient platform for recording and delivering data from within a range of harsh environments.



COMPREHENSIVE SECURITY AND RELIABILITY

Robust multi-layer security at each interface to safeguard your network at every level.



THE PLATFORM FOR BUILDING ACTIONABLE IoT INTELLIGENCE

Route sensor data to the cloud with NviroSense's simplified wireless connectivity deployment.



PERSONAL SUPPORT FOR YOUR IMPLEMENTATION

Support works with NviroSense engineering to help configure and deploy your application.

APPLICATION AREAS



SMART BUILDINGS & HOME AUTOMATION



SMART AGRICULTURE



INDUSTRIAL & LOGISTICAL APPLICATIONS

NVIROSENSE SUPPORT



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NEW: The NviroSense NSS450 Series now offers a range of additional sensor options available via expansion port. For more details, visit the [EUCASTore](#)