

NetBotz™

Wireless Environmental Sensors



Wireless sensors for Data Center and remote locations

NetBotz wireless temperature and humidity environmental sensors offer a complete view of an environment while eliminating the need for wires. With a 3-year battery life and multiple mounting options, the sensors snap securely to IT enclosures in the Data Center, network closet, or any space requiring environmental visibility.

The compact and affordable sensors feature a 2D bar code for quick & easy network configuration & identification, and user replaceable batteries.

Up to 47 sensors can be deployed as part of a single network. NetBotz wireless sensors use secure ZigbeePro® 2.4 GHz wireless technology which has been optimized to operate alongside other wireless networks without interruption.

- 3 years of expected battery life
- Robust security algorithm protects against efforts to disrupt communication
- 2D QR code scan simplifies deployment and commissioning
- Integrates with select NetBotz appliances



Features

- User-replaceable lithium batteries
- Long battery life
- Status indicator LED
- Tool-less rack-mount installation
- Over-the-air firmware upgrades
- Secure 2-way communication
- Temperature & Temp/Humidity Sensors NBWS100T, NBWS100H
- ZigbeePro® mesh-network technology
- Integrates with current generation NetBotz 250A, 750 and 755 appliances

(Refer to compatibility matrix under Sensors for NBWS100T and NBWS100H wireless sensors)

se.com/netbotz

Life Is On

Schneider
Electric

NetBotz™

Wireless Environmental Sensors

Simplified IT equipment protection

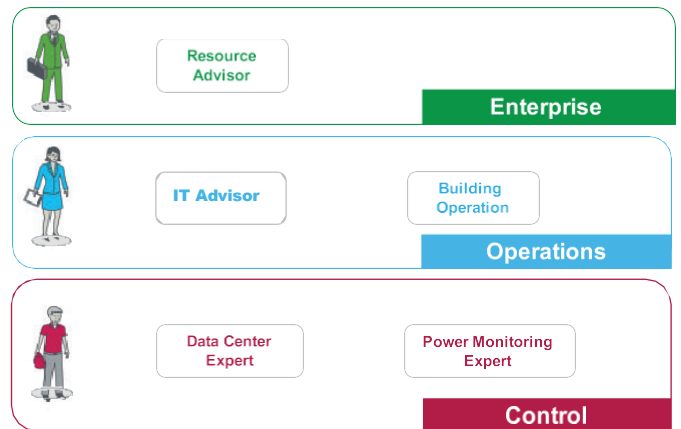
- 1 Integrated temperature & humidity sensor
- 2 User replaceable coin cell battery
- 3 LED indicator provides sensor status at a glance
- 4 QR code for fast easy commissioning and sensor identification
- 5 Embedded magnets securely mount sensors to IT cabinets
- 6 Additional mounting options included
- 7 On/Off switch conserves battery life

EcoStruxure™ IT for Data Centers

An integrated suite of management software applications for balancing the demands of availability and efficiency throughout the data center lifecycle. NetBotz serves as the real-time data supplier to optimize EcoStruxure IT software.

DCIM solution benefits

- > A holistic DCIM suite managing all aspects of the data center
- > Leverages and optimizes the existing infrastructure
- > Provides robust, scalable and integrated software solutions



se.com/netbotz

NetBotz™

Wireless Environmental Sensors

Specifications

NetBotz Wireless Environmental Sensors

Product SKUS	
NetBotz Wireless Sensors	NBWS100T, NBWS100H
Electrical	
Input Voltage, nominal	3V battery, CR2477 non-rechargeable primary cell
Maximum total current draw	33mA USB
Operating Frequency	2405.0 to 2480.0 MHz
Number of Channels	16
Operating Modes	Tx & Rx
Antenna Type	Integral
Physical	
Dimensions (H x W x D)	38.0 x 38.0 x 19.8 mm (1.5 x 1.5 x 0.78 in)
Shipping Dimensions (H x W x D)	230.0 x 165.0 x 48.0 mm (9.0 x 6.5 x 2.0 in)
Weight	
with batteries	0.03kg (0.07 lb)
with batteries & mounting bracket	0.05kg (0.11 lb)
Shipping Weight	0.18 kg (0.4 lb)
Compliance	
Immunity/Emissions	CE, EMC Directive 2004/108/EC, R&TTE Directive 1999/5/EC, Canadian ICES-003, US FCC 47 CFR Part 15
Internal Sensors	
Temperature Sensor	0 to 45°C (32 to 113°F)
Humidity Sensor	0 to 95%, non-condensing

se.com/netbotz

Life Is On

Schneider
Electric

NetBotz™

Wireless Environmental Sensors

NetBotz Wireless Temperature & Humidity Sensor

- Small, low-cost environmental sensors
- Multiple mounting options allow deployment in virtually any environment

CR: **NBWS100T**
(Temp only)

CR: **NBWS100H**
(Temp/Humidity)



NetBotz Wireless USB Coordinator & Router

- Functions as a wireless sensor receiver by plugging into select NetBotz appliances
- Can also plug into included power supply to act as a range extender for the sensor network

CR: **NBWC100U**

1 NBWC100U required per sensor network



se.com/netbotz

Life Is On

Schneider
Electric