

# NetBotz™

## Wireless Environmental Sensors



### Wireless sensors for the 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 3-5 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 and can be combined with the NetBotz Wireless Sensor Pod 180. NetBotz wireless sensors use secure ZigbeePro® 2.4 GHz wireless technology which has been optimized to operate alongside other wireless networks without interruption.

- 3 to 5 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 400 and 500 appliances\*

# 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

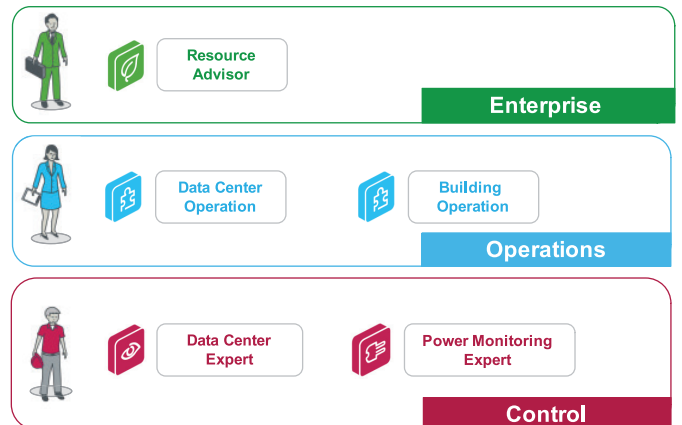


### StruxureWare for Data Centers

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 StruxureWare 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



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## 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

## NetBotz Wireless Temperature & Humidity Sensor

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

SKU: NBWS100T (Temp only)  
 SKU: NBWS100H (Temp/Humidity)



## NetBotz Wireless Sensor Pod 180

- Built-in temperature and humidity sensors measure environmental conditions
- Tool-less mounting pegs allow for quick attachment to the inside face of an APC SX rack door
- Three RJ45 ports support additional temperature/humidity and door contact sensors

SKU: NBPD0180



## 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

SKU: NBWC100U  
 1 NBWC100U required per sensor network

