

# 3-Temperature and Humidity Sensor Kit

**PANDUIT®**  
SPECIFICATION SHEET

## SPECIFICATIONS

The 3-temperature and humidity sensor kit shall add top-, middle-, and bottom-of-rack temperature and middle-of-rack relative humidity monitoring to the Panduit G5/G6 iPDU and UPS. Environmental sensors are designed with an embedded microchip that converts analog signals to digital format before data travels to the Panduit G5/G6 iPDU and UPS, providing greater data accuracy. This smart design shall enable easy plug-and-play installation that takes just moments to complete. Installation of the sensors and ongoing equipment maintenance is further facilitated by the quick disconnect coupler and Ethernet patch cord, which allow for the convenient extension of sensors, movement of equipment, and an easy disconnect method for removing rack enclosure doors.



EC001

## TECHNICAL INFORMATION

**Dimensions:** 1.23 x 0.70 x 0.40 inches (44 x 21 x 11 mm)

**Mounting:** Cable ties

\*Mounting hardware included

## KEY FEATURES AND BENEFITS

**RJ45 connection:** Utilizes an RJ45 plug socket to allow standard patch cord connection

**Avoid outages:** User-defined threshold temperature and relative humidity event notification

**Versatile mounting:** Offers versatile mounting options to accommodate easy deployment inside a rack or within a room within a data center or facility building

**ASHARE standards met:** Single sensor able to monitor the ASHARE recommended server inlet locations

**Plugs directly to the Panduit G5/G6 iPDU and UPS:** Simplifies installation as it self-identifies to the Panduit G5/G6 iPDU and UPS firmware

## APPLICATIONS

The 3-temperature and humidity sensor kit is designed to add comprehensive temperature and relative humidity monitoring to the Panduit G5/G6 iPDU and UPS. Secure the sensor to the cabinet or door using cable ties; a magnet has been added to the rear of the sensor to aid in placement. The sensor connects to the Panduit G5/G6 iPDU, Sensor Hub (EF001) or UPS, via RJ45 quick disconnect coupler and Ethernet patch cord.

## 3-Temperature and Humidity Sensor Kit

**3-Temperature and humidity sensor kit:**

[EC001](#)

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## TECHNICAL SPECIFICATION

### Electrical

**Operational Voltage:** 5 VDC

**Accuracy:**  $\pm 2^\circ\text{C}$

$\pm 5\%$  RH at  $5\text{--}50^\circ\text{C}$  10 $\text{--}90\%$  RH

**Measuring Range:**  $0^\circ\text{C}\text{--}+65^\circ\text{C}$ , 10 $\text{--}90\%$  RH, non-condensing

### Physical

**Length:** 2m

### Environmental

**Elevation Above MSL (Operating/Storage):** 0 $\text{--}10,000$  feet  
(0 $\text{--}3,048$ m) $\text{--}0\text{--}50,000$  feet  
(0 $\text{--}15,240$ m)

**Temperature (Operating/Storage):**  $0^\circ\text{C}\text{--}+65^\circ\text{C}$  ( $32\text{--}149^\circ\text{F}$ ) $\text{--}20\text{--}+70^\circ\text{C}$  ( $-4\text{--}158^\circ\text{F}$ )

**Humidity (Operating/Storage):** 0 $\text{--}95\%$  RH, non-condensing (storage)  
10 $\text{--}90\%$  RH, non-condensing (operating)

### Compliance

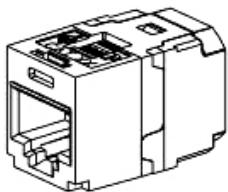
**Environmental Verification:** ROHS, WEEE

## KIT CONTAINS



3-Temperature and  
Humidity Sensor Kit

## RECOMMENDED PRODUCTS



**RJ45 Quick Disconnect Coupler**  
Sold Separately  
Panduit Part Number: [CC688BL](#)



**Standard Ethernet Extension Cable**  
Sold Separately  
2.0m length  
Panduit Part Number: [UTP28CH2MBL](#)

Note: The temperature sensor kit is only designed to connect to a Panduit G5/G6 iPDU or UPS. Connecting it to another device may result in damage.

## WORLDWIDE SUBSIDIARIES AND SALES OFFICES

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