

DIGITEN DHC101SE

DIGITEN Digital Humidity Sensor DHC101SE Instruction Manual

Model: DHC101SE | Brand: DIGITEN

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of the DIGITEN Digital Humidity Sensor, Model DHC101SE. This replaceable hygrometer probe is designed for use with DIGITEN DHC101 Humidity Controllers to accurately monitor humidity levels in various environments, including those for humidifiers and dehumidifiers.

Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of your sensor.

2. PRODUCT OVERVIEW



Figure 2.1: DIGITEN Digital Humidity Sensor DHC101SE, showing the sensor probe and the attached 6-foot (2-meter) cable with a 3.5mm jack connector.



Figure 2.2: Close-up view of the DIGITEN Digital Humidity Sensor DHC101SE probe, highlighting the small sensor module and its 4-pin connector for attachment to the cable.

The DHC101SE is a high-precision digital humidity sensor designed for reliable and accurate humidity measurement. It features a durable 6-foot (2-meter) cable, making it suitable for various applications where remote sensing is required. The probe is easily replaceable, ensuring long-term usability with compatible humidity controllers.

3. SPECIFICATIONS

Feature	Detail
Control Range	5-99%RH
Humidity Resolution	0.1%RH
Display Unit	%RH
Sensor Model	MEAS HTG3500 series
Sensor Lead Length	2m (6ft)
Item Model Number	DHC101SE
Manufacturer	DIGITEN
Item Weight	8 ounces (0.23 Kilograms)
Package Dimensions	8.2 x 4.6 x 0.6 inches

4. SETUP AND INSTALLATION

- Compatibility Check:** Ensure your humidity controller is compatible with the DIGITEN DHC101SE sensor. This probe is specifically designed for use with DIGITEN DHC101 series humidity controllers.
- Unpack:** Carefully remove the humidity sensor and its cable from the packaging. Inspect for any visible damage.
- Connect the Probe:** The DHC101SE sensor probe connects to the main cable via a small 4-pin connector. Align the connector correctly and gently push until it clicks into place. Ensure a secure connection.
- Connect to Controller:** Locate the 3.5mm jack input port on your DIGITEN DHC101 humidity controller. Insert the 3.5mm jack from the sensor cable firmly into this port.
- Placement:** Position the sensor probe in the area where you need to monitor humidity. Ensure it is not directly exposed to water spray or extreme temperatures outside its operating range. For accurate readings, place the sensor away from direct airflow from humidifiers or dehumidifiers, allowing it to measure ambient humidity.
- Secure Cabling:** Route the cable neatly and securely to prevent accidental disconnections or damage.

5. OPERATING INSTRUCTIONS

The DIGITEN DHC101SE is a passive sensor that provides humidity data to a compatible controller. Once properly connected to a DIGITEN DHC101 series humidity controller, the sensor will automatically begin transmitting humidity readings.

- Power On Controller:** Ensure your DHC101 humidity controller is powered on.
- Monitor Readings:** The humidity readings from the DHC101SE sensor will be displayed on the controller's screen.
- Controller Settings:** Refer to the instruction manual of your specific DIGITEN DHC101 humidity controller for details on setting target humidity levels, hysteresis, and other operational parameters. The sensor itself does not have user-

adjustable settings.

6. MAINTENANCE

Regular maintenance ensures the accuracy and longevity of your humidity sensor.

- **Cleaning:** Periodically inspect the sensor probe for dust, debris, or moisture buildup. Gently wipe the sensor surface with a soft, dry, lint-free cloth. Do not use abrasive cleaners or immerse the sensor in liquids.
- **Avoid Contaminants:** Keep the sensor away from corrosive gases, high concentrations of chemicals, or environments with excessive dust or oil mist, as these can affect sensor accuracy and lifespan.
- **Storage:** If storing the sensor for an extended period, disconnect it from the controller and store it in a clean, dry environment within its specified operating temperature range.
- **Replacement:** The DHC101SE is a replaceable probe. If the sensor becomes damaged or consistently provides inaccurate readings despite troubleshooting, it can be replaced without needing to replace the entire controller.

7. TROUBLESHOOTING

If you encounter issues with your DIGITEN Digital Humidity Sensor, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No humidity reading on controller.	Sensor not properly connected to cable or controller.	Ensure both the 4-pin connector on the probe and the 3.5mm jack on the controller are securely inserted.
Inaccurate or fluctuating readings.	Sensor dirty, damaged, or exposed to direct moisture/airflow.	Clean the sensor gently. Reposition the sensor away from direct water or strong airflow. If damage is suspected, consider replacement.
Controller not responding to humidity changes.	Sensor malfunction or controller issue.	Test with a known working sensor if available. If the sensor appears functional, refer to your DHC101 controller's manual for troubleshooting controller-specific issues.

For issues not covered here, or if problems persist, please contact DIGITEN customer support.





8. WARRANTY AND SUPPORT

Warranty: The DIGITEN Digital Humidity Sensor DHC101SE comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

Customer Support: For technical assistance, warranty claims, or any questions regarding your DIGITEN product, please contact DIGITEN customer support. You can find contact information on the official DIGITEN website or through your purchase platform.

You may also visit the [DIGITEN Store on Amazon](#) for more information and support resources.

Related Documents

	<p>DIGITEN DHTC-1011 Temperature and Humidity Controller User Manual</p> <p>User manual for the DIGITEN DHTC-1011 Temperature and Humidity Controller, detailing its features, specifications, setting instructions, and troubleshooting.</p>
	<p>DIGITEN DFC15 Liquid Flow Controller User Manual</p> <p>Comprehensive user manual for the DIGITEN DFC15 Liquid Flow Controller, detailing features, technical specifications, operation, installation, and troubleshooting for accurate liquid flow measurement and control.</p>
	<p>Digiten DTC-101 / DTC-151 Digital Temperature Controller User Manual and Specifications</p> <p>Comprehensive guide to the Digiten DTC-101 and DTC-151 digital temperature controllers, detailing features, setup, operation, technical specifications, and troubleshooting for precise temperature management.</p>
	<p>DIGITEN DTC-101/DTC-151 Thermostat Manual: Features, Setup, and Troubleshooting</p> <p>Comprehensive user manual for the DIGITEN DTC-101 and DTC-151 thermostats, covering features, technical specifications, panel instructions, setting parameters, function modes (heating/cooling), alarms, troubleshooting, and warranty information.</p>