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› [HEXEH](#) /

› HEXEH Immersion Temperature Sensor QAE3010.010 User Manual

HEXEH QAE3010.010

HEXEH Immersion Temperature Sensor QAE3010.010 User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the HEXEH Immersion Temperature Sensor, model QAE3010.010. This device is designed for accurate temperature measurement in various industrial applications, ensuring reliable data for system control and monitoring. Please read this manual thoroughly before installation and operation.



Figure 1: HEXEH Immersion Temperature Sensor QAE3010.010. This image shows the main body of the sensor, including its protective housing and the temperature probe extending from it.

2. SPECIFICATIONS

The following table details the technical specifications for the HEXEH Immersion Temperature Sensor QAE3010.010:

Specification	Value
Model Number	QAE3010.010
Manufacturer	HEXEH
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	3.31 pounds
Assembly Required	No

Specification	Value
Number of Pieces	1

3. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to the device:

- **Qualified Personnel:** Installation, electrical connection, and maintenance must be performed by qualified personnel only.
- **Power Disconnection:** Ensure that the power supply to the system is disconnected before performing any installation or maintenance work.
- **Environmental Conditions:** Do not expose the sensor to conditions outside its specified operating range (e.g., extreme temperatures, corrosive environments, excessive pressure).
- **Proper Sealing:** Ensure all connections are properly sealed to prevent moisture ingress, especially in immersion applications.
- **Mechanical Stress:** Avoid applying excessive mechanical stress to the sensor or its connections.

4. INSTALLATION AND SETUP

The HEXEH Immersion Temperature Sensor is designed for straightforward installation. Follow these general guidelines:

1. **Site Selection:** Choose an appropriate location for immersion that accurately represents the temperature of the medium to be measured. Ensure sufficient space for the sensor and its wiring.
2. **Mounting:** The sensor is typically installed into a thermowell or directly into a pipe/tank using a threaded connection. Ensure the connection is secure and leak-free.
3. **Electrical Connection:** Disconnect power before wiring. Connect the sensor to your control system according to the wiring diagram provided with your specific system. Ensure correct polarity and secure all electrical connections.
4. **Verification:** After installation, visually inspect all connections and ensure the sensor is firmly mounted. Restore power and verify sensor readings.

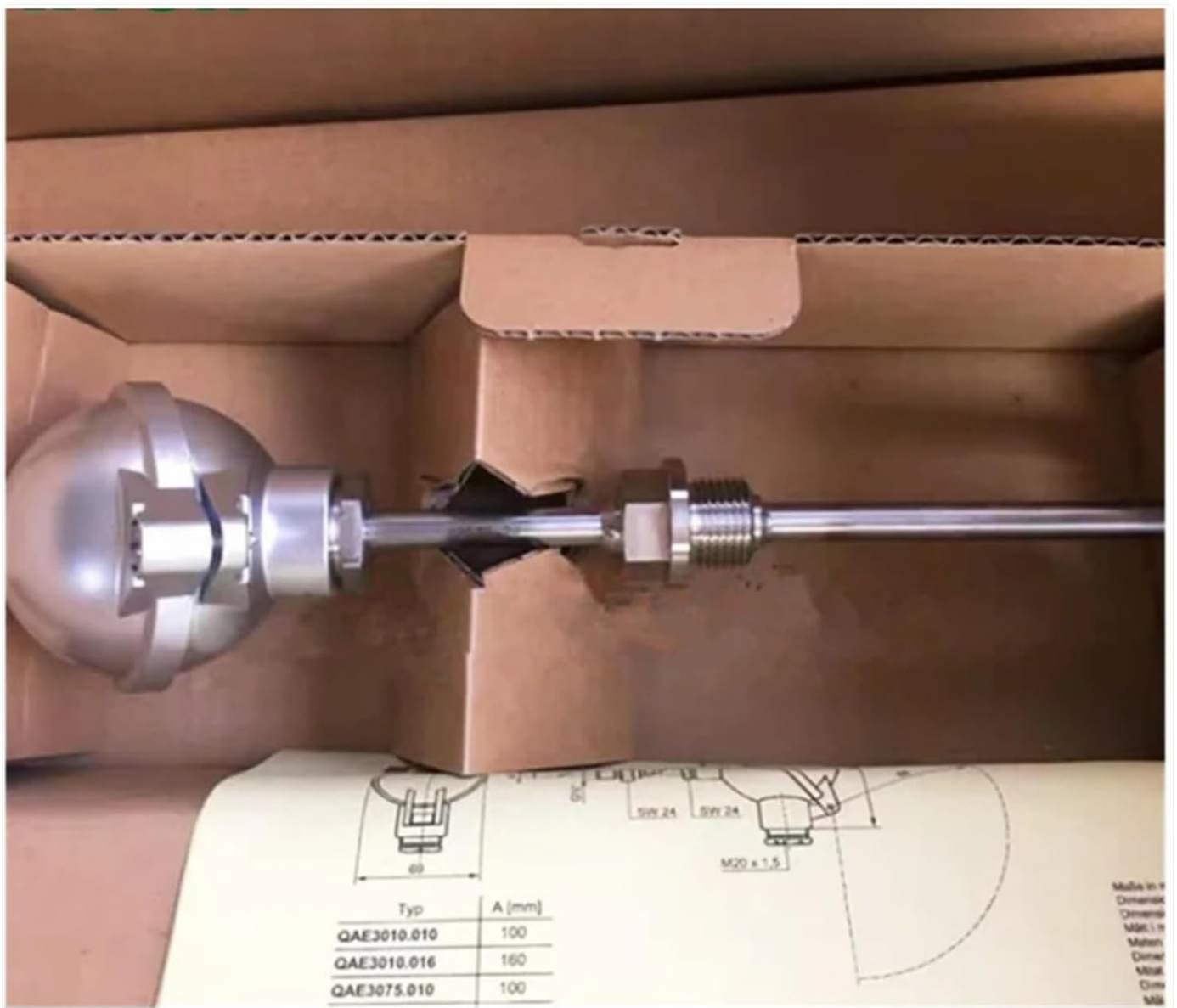


Figure 2: Sensor in packaging with a technical diagram. This image illustrates the sensor as it is received, alongside a diagram that may contain dimensional or connection information relevant for installation.



Figure 3: Close-up of the sensor's connection head. This view highlights the area where electrical connections are made, which is crucial for proper setup.

5. OPERATION

The HEXEH Immersion Temperature Sensor QAE3010.010 operates by continuously measuring the temperature of the medium it is immersed in. Once properly installed and connected to a compatible control or monitoring system, it will transmit temperature data. The sensor is designed for continuous operation within its specified environmental limits.

- **Continuous Monitoring:** The sensor provides real-time temperature readings to the connected system.
- **System Integration:** Ensure your control system is configured to correctly interpret the sensor's output signal.
- **Calibration:** Regular calibration checks are recommended to ensure continued accuracy, especially in critical applications.

6. MAINTENANCE

To ensure the longevity and accurate performance of your HEXEH Immersion Temperature Sensor, follow these maintenance guidelines:

- **Regular Inspection:** Periodically inspect the sensor and its connections for any signs of physical damage, corrosion, or loose wiring.
- **Cleaning:** If the sensor probe is exposed to the process medium, it may accumulate deposits. Clean the probe gently using appropriate methods that do not damage the sensor material. Disconnect power before cleaning.
- **Connection Integrity:** Verify that all electrical connections remain tight and free from moisture or contaminants.
- **Environmental Check:** Confirm that the operating environment continues to meet the sensor's specifications.

7. TROUBLESHOOTING

If you encounter issues with your HEXEH Immersion Temperature Sensor, consider the following troubleshooting steps:

- **No Reading/Incorrect Reading:**
 - Check all electrical connections for proper wiring and tightness.
 - Verify that the power supply to the sensor and the control system is active.
 - Ensure the sensor is correctly configured within your control system.
 - Inspect the sensor probe for any physical damage or excessive buildup that might impede accurate measurement.
- **Intermittent Readings:**
 - Check for loose connections or intermittent power supply.
 - Ensure the sensor is securely mounted and not subject to vibration.
- **Leakage at Immersion Point:**
 - Immediately shut down the system and relieve pressure.
 - Inspect the threaded connection and sealing for damage. Re-tighten or replace sealing components as necessary.

If these steps do not resolve the issue, please contact technical support.

8. WARRANTY AND SUPPORT

HEXEH provides technical support for its products. If you have any questions regarding the installation, operation, or troubleshooting of your Immersion Temperature Sensor QAE3010.010, please do not hesitate to contact us. Our team is available to assist you and will reply as soon as possible.

For support inquiries, please refer to the contact information provided with your purchase or visit the official HEXEH website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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