

Immergas 3.014083

Immergas External Probe Kit 3.014083 User Manual

1. INTRODUCTION

This user manual provides essential information for the installation, operation, and maintenance of the Immergas External Probe Kit, model 3.014083. This kit is designed to enhance the efficiency and performance of compatible Immergas heating systems by enabling sliding temperature operation.

2. PRODUCT DESCRIPTION

The Immergas External Probe Kit (Art. 3.014083) is an accessory for boilers under 35 kW, facilitating operation with a sliding temperature curve. This functionality allows the heating system to adjust its output based on the external ambient temperature, leading to improved energy efficiency and comfort. The probe is compatible with Immergas Magis Hercules ERP and Trio ERP boilers, particularly when the external probe supplied with Audax Top ERP heat pumps is to be excluded.



Figure 1: A close-up view of the Immergas External Probe Kit, showing its compact design and the Immergas logo.

3. SETUP AND INSTALLATION

Installation of the Immergas External Probe Kit should be performed by a qualified technician to ensure correct wiring and optimal system integration. Incorrect installation may lead to system malfunction or safety hazards.

3.1. Placement

- Mount the external probe on an exterior wall, away from direct sunlight, heat sources, or areas prone to strong winds.
- Ensure the probe is positioned to accurately measure the ambient outdoor temperature.

3.2. Wiring

- Refer to the specific wiring diagrams provided with your Immergas boiler model for precise connection instructions.
- Connect the probe to the designated terminals on the boiler's control board.
- Ensure all connections are secure and comply with local electrical codes.

3.3. System Configuration

- After physical installation, access the boiler's control panel to activate and configure the external probe function.
- Set the desired heating curve parameters according to the building's insulation and user preferences.

4. OPERATING INSTRUCTIONS

Once installed and configured, the external probe operates automatically. It continuously monitors the outdoor temperature and communicates this data to the boiler's control system. The boiler then adjusts the flow temperature of the heating water to match the current heat demand, optimizing energy consumption.

- The system will automatically adapt to changes in outdoor temperature, providing consistent indoor comfort.
- No manual intervention is typically required for the probe's operation after initial setup.
- For specific adjustments to the heating curve or system settings, consult your boiler's main user manual.

5. MAINTENANCE

The Immergas External Probe Kit requires minimal maintenance. Regular inspection is recommended as part of your heating system's annual service.

- **Annual Inspection:** During your boiler's annual service, have a qualified technician inspect the probe for any physical damage or loose connections.
- **Cleaning:** Ensure the probe's sensor area is free from dirt, debris, or insect nests that could obstruct accurate temperature readings. Use a soft, damp cloth for cleaning if necessary. Do not use abrasive cleaners.
- **Environmental Factors:** Periodically check that no new obstructions (e.g., growing vegetation, new structures) are interfering with the probe's ability to accurately sense outdoor temperature.

6. TROUBLESHOOTING

If you suspect an issue with your external probe or the sliding temperature operation, consider the following:

- **Inaccurate Temperature Readings:** Check for physical obstructions around the probe or damage to the sensor. Ensure the probe is not exposed to direct sunlight or other heat sources.
- **System Not Responding:** Verify that the probe's wiring connections are secure. Consult your boiler's display for any error codes related to the external probe.
- **Heating Inconsistency:** Review the heating curve settings in your boiler's control panel. Adjustments may be needed based on seasonal changes or building modifications.

For persistent issues, contact a qualified Immergas service technician. Do not attempt to repair the probe yourself.

7. SPECIFICATIONS


Feature	Detail
Manufacturer	Immergas
Model Number	3.014083
Item Weight	997.9 grams
Quantity	1
Batteries Included/Required	No
Compatibility	Immergas boilers <35 kW (e.g., Magis Hercules ERP, Trio ERP, Audax Top ERP)


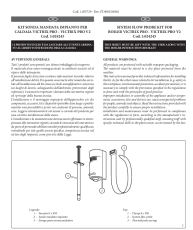

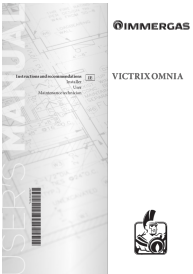
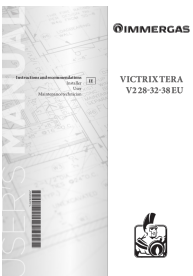
8. WARRANTY AND SUPPORT

For information regarding the warranty period and terms for your Immergas External Probe Kit, please refer to the documentation provided with your original purchase or contact Immergas customer support directly. For technical assistance, troubleshooting beyond basic checks, or professional installation/repair services, please contact an authorized Immergas service center or a qualified HVAC technician.

Immergas Official Website: www.immergas.com

Related Documents - 3.014083

	<p>Immergas External Temperature Probe for Boilers (< 35 KW) - Installation Guide</p> <p>Technical specifications and installation instructions for the Immergas Code 3.014083 external temperature probe, designed for boilers with a power output less than 35 KW. Learn about its features, electrical connection, and mounting.</p>
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 <p>IMMERGAS Code 3.030863 Zone Remote Panel</p>	<p>Immergas Zone Remote Panel: Installation and User Manual</p> <p>Comprehensive guide to installing, operating, and programming the Immergas Zone Remote Panel for optimal heating and hot water control. Includes technical specifications and user settings.</p>
	<p>Immergas Victrix Pro V2 System Flow Probe Kit Installation Guide</p> <p>Installation instructions and technical specifications for the Immergas Victrix Pro V2 System Flow Probe Kit (Model 3.024245). Includes general warnings, assembly steps, electrical connection details, and wiring diagrams for Victrix Pro and Victrix Pro V2 boilers.</p>
	<p>Immergas VICTRIX PRO V2: High-Efficiency Condensing Gas Boilers for Commercial & Residential Use</p> <p>Explore the Immergas VICTRIX PRO V2 series of wall-hung light commercial condensing gas boilers. Featuring high efficiency, flexible installation, Hydrogen Ready technology, and advanced control options for optimal heating performance.</p>
	<p>Immergas VICTRIX OMNIA User Manual: Installation, Use, and Maintenance Guide</p> <p>Comprehensive user manual for the Immergas VICTRIX OMNIA condensing boiler. Includes installation instructions, operating guidelines, maintenance procedures, technical specifications, and troubleshooting for optimal performance and safety.</p>
	<p>Immergas Victrix Tera V2 Series Condensing Boilers: User, Installation, and Maintenance Manual</p> <p>Comprehensive guide for Immergas Victrix Tera V2 series condensing boilers (V28, V32, V38 EU). Covers installation, operation, maintenance, and technical details for installers, users, and technicians.</p>