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Fowler 54-930-215-0

Fowler 54-930-215-0 Full Probe Set

USER INSTRUCTION MANUAL

1. Introduction

The Fowler 54-930-215-0 Full Probe Set is designed as an essential accessory for precision measuring, specifically compatible with the Fowler Hi_Cal V2 Digital Height Gages. This set provides a range of probes to enhance the versatility and accuracy of your measurement tasks across various surfaces and materials.

Key features of this probe set include:

- Includes 6 different probes for versatile measuring capabilities.
- Each probe is constructed from durable stainless steel for longevity and heavy use.
- Comes with a wooden carrying case for organized storage and convenient transport.
- Probes are interchangeable and designed for easy installation, simplifying transitions between different measurement requirements.

2. Product Components

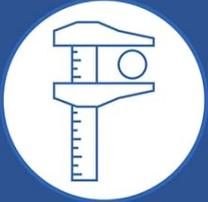
The Fowler 54-930-215-0 Full Probe Set includes the following items:

- 15 measuring accessories (various probes and related components)
- 1 fitted wooden carrying case



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As the industry moves more in the direction of computer-aided manufacturing, Fowler continues to introduce important new tools designed to lead the way in inspection and measuring.



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Image: The complete Fowler 54-930-215-0 Full Probe Set, neatly organized within its wooden carrying case. The case displays various stainless steel probes and accessories, including different tips and extension rods, designed for precision measurement.

3. Setup and Installation

This probe set is designed for use with compatible Fowler Hi_Cal V2 Digital Height Gages. Ensure your height gage is clean and powered off before installing any probes.

1. **Select the Appropriate Probe:** Identify the specific probe required for your measurement task from the provided set. Consider the surface, material, and type of measurement (e.g., depth, offset) when selecting.
2. **Attach the Probe:** Carefully align the chosen probe with the mounting mechanism on your Fowler Hi_Cal V2 Digital Height Gage. Gently insert and secure the probe according to your height gage's instructions. Probes are designed to be interchangeable and easy to install.
3. **Verify Secure Attachment:** Before beginning any measurements, ensure the probe is firmly seated and does not wobble. A secure attachment is critical for accurate readings.



Image: A close-up view of several individual probes and components from the Fowler 54-930-215-0 set, highlighting their varied shapes and sizes, ready for attachment to a compatible measuring instrument.

4. Operating Instructions

Once the desired probe is securely attached to your compatible height gage, follow the operating instructions specific to your height gage model for accurate measurement. The probes extend the functionality of your height gage to various applications.

- **Calibration:** Always perform a calibration or zero-setting procedure on your height gage with the new probe attached before taking critical measurements.
- **Measurement Technique:** Apply consistent and appropriate pressure when making contact with the workpiece. Avoid excessive force, which can lead to inaccurate readings or damage to the probe or workpiece.
- **Surface Compatibility:** The set includes probes suitable for a variety of surfaces and materials. Choose the probe that best suits the material and finish of the item being measured to prevent scratching or damage.
- **Environmental Conditions:** Ensure measurements are taken in a stable environment, free from excessive vibrations, temperature fluctuations, or dust, which can affect precision.

5. Maintenance and Care

Proper maintenance ensures the longevity and accuracy of your probe set.

- **Cleaning:** After each use, gently wipe down probes with a clean, lint-free cloth. For stubborn residue, a small amount of isopropyl alcohol can be used, ensuring it evaporates completely. Avoid abrasive cleaners or solvents.
- **Storage:** Always store the probes in their designated slots within the wooden carrying case when not in use. This protects them from dust, moisture, and physical damage. Store the case in a dry, temperature-controlled environment.
- **Inspection:** Periodically inspect probes for any signs of wear, bending, or damage. Damaged probes should be replaced to maintain measurement accuracy.
- **Handling:** Handle probes with care. Avoid dropping them or subjecting them to impacts, as this can affect their precision.

6. Troubleshooting

This section addresses common issues related to probe usage. For issues with the height gage itself, refer to its specific user manual.

Problem	Possible Cause	Solution
Inaccurate readings	Probe not securely attached; Probe tip worn or damaged; Improper calibration; Environmental factors.	Ensure probe is firmly attached. Inspect probe tip for damage and replace if necessary. Re-calibrate the height gage with the probe. Ensure stable measurement environment.
Probe difficult to attach/detach	Debris in mounting mechanism; Misalignment.	Clean the mounting area on both the probe and the height gage. Ensure correct alignment before attempting to attach. Do not force.
Probe appears bent or damaged	Physical impact; Improper storage.	Discontinue use of the damaged probe. Replace with a new, undamaged probe. Always store probes in their protective case.

7. Specifications

The following specifications apply to the Fowler 54-930-215-0 Full Probe Set:

- **Model Number:** 54-930-215-0
- **Product Dimensions:** 12 x 3.75 x 1 inches
- **Item Weight:** 14.4 ounces
- **Material:** Durable Stainless Steel (probes)
- **Compatibility:** Designed for use with Fowler Hi_Cal V2 Digital Height Gages
- **Manufacturer:** Sylvac (as per product data)

8. Important Safety Information and Legal Disclaimer

California Residents Proposition 65 WARNING: This product can potentially expose you to chemicals including Chromium, Lead, and Nickel which are known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Always handle precision tools with care. Wear appropriate personal protective equipment (PPE) if required by your work environment. Keep out of reach of children.

9. Warranty and Support

For information regarding product warranty, service, or technical support, please contact Fowler High Precision directly or visit their official website. Retain your proof of purchase for any warranty claims.

Fowler High Precision: www.fowlerprecision.com

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - 54-930-215-0



[Fowler Tool-A-Thon 25.2: Precision Measuring Instruments Catalog](#)

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[Acute BusFinder LA3000/LA4000 Series User Manual](#)

This user manual provides comprehensive instructions for the Acute BusFinder LA3000 and LA4000 series, covering hardware installation, software setup, protocol analysis, and technical support. It details various probes and their applications.



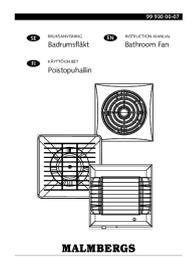
[Moen Flo Smart Water Monitor and Shutoff Installation Spacer Kit Instructions](#)

This document provides installation instructions for the Moen Flo Smart Water Monitor and Shutoff Installation Spacer Kit. It includes details on tools, parts, requirements, and step-by-step guidance for installing the spacer kit.



[AR Therm MULTIBLUE High-Power Condensing Modules - Technical Specifications and Overview](#)

Comprehensive technical overview and specifications for AR Therm's MULTIBLUE series of high-power condensing modules. Includes product details, component lists, control system information, kit descriptions, technical data tables, dimensional drawings, and cabinet versions.



[Malmbergs Bathroom Fan Instruction Manual and Technical Specifications](#)

This document provides safety instructions, model overview, description, wiring diagrams, mounting, maintenance, environmental information, and technical specifications for Malmbergs bathroom fans (models 99 930 00-07).