

## BT-700 SERIES QUICK START GUIDE



Each instrument is electrically and mechanically inspected before shipment. Upon receiving your new Barfield Handheld Bond Meter, unpack all items from the shipping container and check for any obvious damage that may have occurred during transit. Use the original packing materials if reshipment is necessary.

If any dents, broken, or loose parts are seen, do not use the equipment. Notify Barfield immediately.

The following items are included with every new instrument:

- One (1) Handheld Bond Meter;
- One (1) Quick Start Guide;
- Statement of Traceability;
- Three (3) AA, 1.5 V batteries; and
- Optional accessories (if purchased).

### Battery Installation




Three (3) AA 1.5 V batteries are supplied with the instrument, but not installed.

*Required Tools:* Phillips Head Screwdriver

1. Identify the battery compartment located on the back of the instrument;
2. Remove the two (2) battery compartment retaining screws;
3. Remove the battery compartment cover;
4. Observing proper polarity, install three (3) new, AA alkaline (IEC LR6, ANSI 15) batteries;
5. Re-install the battery cover and two (2) retaining screws.



### Making Your First Resistance Measurement

1. Connect probes by screwing them into the top of the unit;
2. Press  to turn unit on;
3. The unit will light all segments of the display as it performs a power on self-test;
4. The instrument will display a resistance if connected to a device. If not connected, "-----" or "**nodut**" (No Device Under Test) will be displayed;
5. Press   to change ranges or to put unit in Auto-Range mode.
6. You're now ready to make accurate and reliable resistance measurements!

**We know you are eager to begin using your new bond meter, but this overview is just the beginning. Please take a moment to familiarize yourself with the Operation Manual at [www.barfieldinc.com/](http://www.barfieldinc.com/) to learn about all the features and benefits of your new Barfield Handheld Bond Meter.**

## DISPLAY PROBE (OPTIONAL)

### Overview

An optional accessory for the BT-700, the Display Probe features an integrated OLED display, a remote HOLD button, and a PASS/FAIL LED. The Display Probe controls are shown in *Figure 1* below.



Figure 1: BT-BKDP-M2 Display Probe

### Connection

The BT-700 Display Probe must be used in conjunction with a non-display probe. As long as the Display Probe is connected to Channel 1, any combination of probes can be used with the display probe. To connect the BT-700 Display Probe:

1. Power off the BT-700 and remove the probe from channel 1 if there is one connected.
2. Line up and screw the connector of the Display Probe into channel 1 of the BT-700.
3. If not already, connect a non-display probe to channel 2.
4. Power on the BT-700.

### Operation

The probe display mimics what appears on the display of the BT-700.

The Remote HOLD button functions the same as the HOLD button on the unit. For more information about the HOLD feature, see the BT-700 Operation Manual, *Section 3.6 Hold Function*.

Press the Remote HOLD button for 1.5 seconds to put the unit in Auto-Hold mode. For more information, see the BT-700 Operation Manual, *Section 3.7 Auto-Hold Function*.

Press the Remote HOLD button momentarily to:

- **In Normal mode:** Freeze a measurement on the display. Press again to return to real-time values.
- **In Auto-Hold mode:** Clear display and prepare unit for next measurement



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