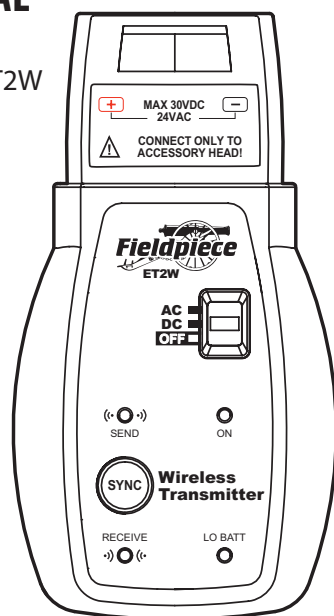


# Fieldpiece

## Wireless Transmitter

### OPERATOR'S MANUAL

Model ET2W



## Quick Start SEND a Reading

1. Connect accessory head to ET2W.
2. Select DC or AC switch position, depending on accessory head.
3. Hold SYNC for one second. SEND LED will blink quickly while searching for partner device.
4. Set partner device to appropriate switch position.
5. Hold SYNC on partner device for one second. SEND LED will stay solid green when connection is made.
6. Enjoy the wireless goodness!

## Certifications



C-Tick (N22675)



CE



FCC

RoHS compliant

## Description

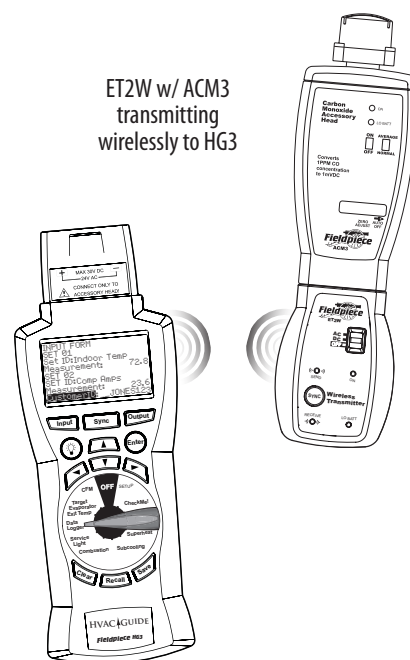
With your purchase of the ET2W now you have the power to wirelessly monitor any of your Fieldpiece accessory heads. No longer are you a slave to test leads, now you can set up your probes at the condenser and evaporator and show the customer your measurements in real time without making them crawl into the attic with you.

Your ET2W converts any Fieldpiece accessory head into a wireless transmitter to send your measurement over-the-air to a Fieldpiece wireless receiver like the HG3, LT17AW, or EH4W. This allows you to set up your accessory heads and monitor your measurements from anywhere on the jobsite.

Your ET2W easily syncs with compatible wireless Fieldpiece receivers. ET2W has a broad wireless range of up to 100ft. Multiple ET2Ws can be used together as repeaters to extend your wireless range.

Your ET2W remembers the last receiver it was synced with, so there's no need to constantly re-sync the same pairs. Note: this feature is available when synced to single-link receivers such as the LT17AW or EH4W.

ET2W w/ ACM3 transmitting wirelessly to HG3



## Specifications

Wireless range: Up to 100 feet (30m). Repeater mode allows for extending the range.  
Minimum Wireless Range: 1 foot (30cm)  
Auto Power Off: 2 min if attempting to sync. 15 min if a signal is lost No Signal mode.  
Low Battery Indication: Red LO BATT LED will light to indicate low battery.  
Power: Three AAA batteries  
Battery life: 150 hrs (transmitter), 120 hrs (repeater)  
Operating environment: 32oF to 122oF (0°C to 50°C) at <70% relative humidity  
Storage temperature: -4oF to 140oF (-20°C to 60°C), 0 to 80% RH (with battery removed)  
Dimensions: 123mm(H) x 65mm(W) x 32mm(D)  
Weight: Approx. 143g, including battery

### DC Volts:

Ranges: 500mV, 5V (Auto)  
Resolution: 0.1mV (500mV), 1mV (5V)  
Accuracy:  $\pm(0.5\%rdg + 2dgt)$   
Input protection: Max 30 VDC or 24VAC rms

### AC Volts:

Ranges: 500mV, 5V (Auto)  
Resolution: 0.1mV (500mV), 1mV (5V)  
Accuracy:  $\pm(0.8\%rdg + 6dgt)$   
Input protection: Max 30 VDC or 24VAC rms

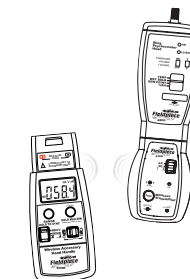
## Maintenance

Clean the exterior with a dry cloth. Do not use liquid.

## Battery Replacement

The batteries on the ET2W must be replaced when the LO BATT LED turns red. Replace with three AAA batteries. ET2W will remember the last device it was synchronized to after batteries are replaced.

ET2W w/ ARH4 transmitting wirelessly to EH4W



### ⚠ WARNINGS ⚠

Use only with Fieldpiece accessory heads. Accessory heads deliver low voltage (under 2V) to the ET2W. Voltages higher than 30VDC or 24VAC rms can damage the ET2W.

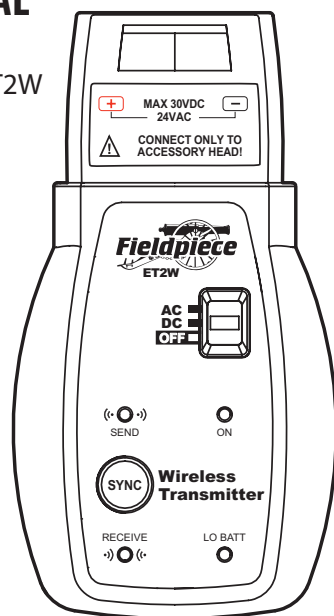
**DO NOT CONNECT ET2W TO LINE VOLTAGE!**

# Fieldpiece

## Wireless Transmitter

### OPERATOR'S MANUAL

Model ET2W



## Quick Start SEND a Reading

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CE



FCC

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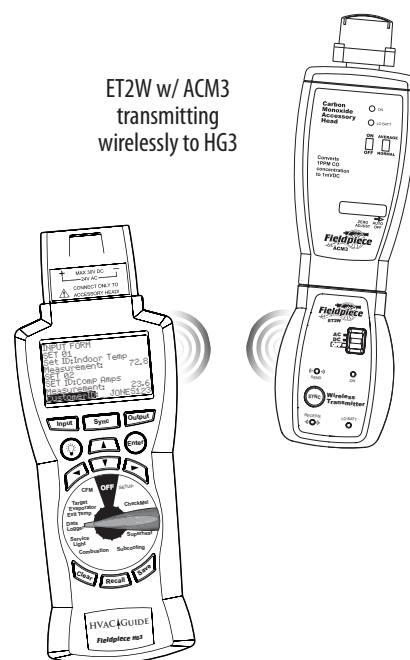
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ET2W w/ ACM3 transmitting wirelessly to HG3



## Specifications

Wireless range: Up to 100 feet (30m). Repeater mode allows for extending the range.  
Minimum Wireless Range: 1 foot (30cm)  
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Weight: Approx. 143g, including battery

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Ranges: 500mV, 5V (Auto)  
Resolution: 0.1mV (500mV), 1mV (5V)  
Accuracy:  $\pm(0.5\%rdg + 2dgt)$   
Input protection: Max 30 VDC or 24VAC rms

### AC Volts:

Ranges: 500mV, 5V (Auto)  
Resolution: 0.1mV (500mV), 1mV (5V)  
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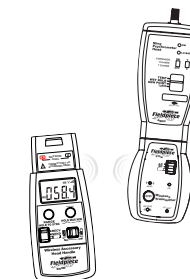
## Maintenance

Clean the exterior with a dry cloth. Do not use liquid.

## Battery Replacement

The batteries on the ET2W must be replaced when the LO BATT LED turns red. Replace with three AAA batteries. ET2W will remember the last device it was synchronized to after batteries are replaced.

ET2W w/ ARH4 transmitting wirelessly to EH4W



### ⚠ WARNINGS ⚠

Use only with Fieldpiece accessory heads. Accessory heads deliver low voltage (under 2V) to the ET2W. Voltages higher than 30VDC or 24VAC rms can damage the ET2W.

**DO NOT CONNECT ET2W TO LINE VOLTAGE!**

## How to Use Transmitter Mode

Send your measurements wirelessly with an ET2W and Fieldpiece accessory head to a wireless receiver display.

### ET2W

1. Connect any Fieldpiece accessory head to the ET2W by sliding it onto the top of the handle.
2. Select DC switch position for all accessory heads except ACH4 (AC switch position).
3. Hold the SYNC button for one second.

Note: SEND LED will blink. Once a connection is made to the receiver, the SEND LED will stay solid green.

Note: The signal strength and battery condition of the ET2W will be displayed on the receiver LCD when a connection is made.

Note: If no signal is found within two minutes, ET2W will turn off.

### Receiver (LT17AW, EH4W, HG3)

1. Select RECV switch position. Hold

SYNC button for one second. For HG3, highlight the test line and hold SYNC button for one second.

Note: If no transmitter is found in two minutes, NSG will display. Hold SYNC button for one second to re-sync.

## Repeater Mode

If you need to send your measurements an even longer distance you can set up a second ET2W as a repeater to double your wireless range.

An ET2W set up as a repeater will receive a measurement from a transmitting ET2W and send that measurement to a wireless receiver (LT17AW, EH4W, HG3)

### Receiver (LT17AW, EH4W, HG3)

1. Select RECV switch position. Press and hold SYNC button for one second. For HG3, highlight the test line and hold SYNC button for one second.

Note: If no repeater is found within two minutes, NSG will display. Press SYNC button for one second

to re-sync.

### Set First ET2W as a Repeater

2. From the OFF position, press and hold the SYNC button while selecting AC or DC switch position. Then press and hold SYNC button again for one second.

Note: Both SEND and RECEIVE LEDs will blink. When ET2W repeater connects to the receiver, the SEND LED will stay solid green. RECEIVE LED will continue to blink. If no connection is made within two minutes, ET2W will turn off.

### Set Second ET2W as Transmitter

3. Connect any Fieldpiece accessory head to a separate ET2W to transmit.
4. Select DC switch position for all accessory heads except ACH4 (AC switch position).
5. Press and hold SYNC button for one second.

Note: This will connect the transmitting ET2W to the repeater ET2W. Once all connections are made, both SEND and RECEIVE LEDs on the repeater ET2W will remain solid

green. On transmitting ET2W, the SEND LED will stay solid green. The reading will display on the receiver.

Note: The receiver will display the signal strength and battery condition of the ET2W transmitting directly to the receiver.

Note: For every repeater added to the chain, there is a signal delay of approx. two seconds. Using multiple repeaters is not recommended for data logging or situations when instant readings are needed.

## Auto-Connection

When powered on, ET2W will automatically search and connect to the last single-link receiver (i.e. LT17AW, EH4W, ET2W) it was synchronized to. No need to constantly sync the same pair. If a synced pair go out of range or signal is interrupted, they will automatically re-connect once back in range within 15 min of losing signal.

## Limited Warranty

In the USA, this meter is warranted against defects in material or workmanship for one year from date of purchase. Fieldpiece will replace or repair the defective unit, at its option, subject to verification of the defect.

This warranty does not apply to defects resulting from abuse, neglect, accident, unauthorized repair, alteration, or unreasonable use of the instrument.

Any implied warranties arising from the sale of a Fieldpiece product, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the above. Fieldpiece shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim of such damage, expenses, or economic loss.

State laws vary. The above limitations or exclusions may not apply to you.

## For Service

In the USA, call Fieldpiece Instruments for one-price-fix-all out of warranty service pricing. Send check or money order for the amount quoted. Send the meter freight prepaid to Fieldpiece Instruments. Send proof of date and location of purchase for in-warranty service. The meter will be repaired or replaced, at the option of Fieldpiece, and returned via least cost transportation. Outside of the USA, please visit [www.fieldpiece.com](http://www.fieldpiece.com) for service contact information.

**Fieldpiece**  
Designed in USA  
MADE IN TAIWAN

[www.fieldpiece.com](http://www.fieldpiece.com)

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Note: SEND LED will blink. Once a connection is made to the receiver, the SEND LED will stay solid green.

Note: The signal strength and battery condition of the ET2W will be displayed on the receiver LCD when a connection is made.

Note: If no signal is found within two minutes, ET2W will turn off.

### Receiver (LT17AW, EH4W, HG3)

1. Select RECV switch position. Hold

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