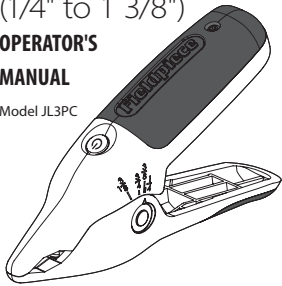


# Fieldpiece

## Job Link® System Premium Pipe Clamp Probe (1/4" to 1 3/8")

### OPERATOR'S MANUAL

Model JL3PC



## Quick Start

- 1 Install the Fieldpiece Job Link® system app on your mobile device and sign up for an account if you're a new user.
- 2 Remove the single screw of the top rubberized battery cover and install 2 x AAA batteries.
- 3 Press  $\Phi$  for 1 second to power on.
- 4 Open Measurements in the Job Link® app and favorite the probe to the tool manager.
- 5 View live measurements on your mobile device up to 1000 feet away.

## What's Included

Job Link® System Premium Pipe Clamp Probe  
2 x AAA Batteries  
Emery Cloth for Cleaning Pipes  
Operator's Manual  
1 Year Limited Warranty

### WARNING

The entire JL3PC may become hot when testing hot pipes or cylinders. Use caution handling.

## Description

The JL3PC Job Link® System Premium Pipe Clamp Probe sends long range wireless pipe temperature measurements directly to the Fieldpiece Job Link® system mobile app. Take advantage of Rapid Rail™ sensor technology for extremely fast and accurate measurements that surpasses Title 24 requirements.

The Rapid Rail™ thermocouple is specifically designed to work on HVACR electrical (and thermally) conductive piping and uses the pipe itself to complete the circuit, resulting in the highest temperature accuracy!

Navigate cramped spaces using the narrow jaw. Rubberized grips and ergonomic design supply comfort and control. Work on a wide range of pipes from 1/4" to 1-3/8". Pipe diameters are etched into sides of the clamp for quick reference.

## Maintenance

**CLEANING:** Clean the exterior with a damp cloth. Do not use detergents or solvents.

**BATTERIES:** When the LED slow blinks Red, the batteries must be replaced. Ensure the power is OFF. Remove the single screw from the top rubberized battery cover. Install 2 x AAA batteries. You can also monitor battery life in the Job Link® app tool manager.

**CALIBRATION:** The JL3PC is wireless so it doesn't need to be calibrated as often as wired thermocouples. To verify accuracy, submerge just the sensor into ice water. Depending on atmospheric pressure and water purity, the measurement will be  $32^{\circ}\text{F} \pm 1^{\circ}\text{F}$ . If calibration is required, use the tool manager in the app to adjust the offset for that particular tool.

## Specifications

### Minimum Device Requirement:

BLE 4.0 devices running iOS 7.0 or Android™ 5.0

**Pipe Contact Surface Compatibility:** Electrically conductive

**Pipe Size Compatibility:** 1/4" to 1 3/8" (6.4mm to 34.9mm) OD

**Sensor Type:** Rapid Rail™ thermocouple

(nickel chromium / nickel aluminum)

**Measurement Feedback:** Beeper and LED

**Measurement Range:** -50°F to 257°F (-46°C to 125°C)

Plastic body and wire insulation are designed to withstand a maximum continuous temperature of 257°F (125°C).

**Stabilization Time:** 3 seconds typical

**Accuracy:**  $\pm 1.0^{\circ}\text{F}$  ( $\pm 0.6^{\circ}\text{C}$ )

\*Meets California's Title 24 requirements

**Battery Type:** 2 x AAA, NEDA 24A, IEC LR03

**Battery Life:** 150 hours typical alkaline. LED blinks red when battery replacement is needed.

**Auto Power Off:** 2 hours (APO can be disabled)

**Wireless Range:** 1000 feet (305 meters) line of sight.

Obstructions affect distance.

**Radio Frequency:** 2.4 GHz

**Operating Environment:** -4°F to 122°F (-20°C to 50°C) at <75% RH

**Storage Temperature:** -4°F to 140°F (-20°C to 60°C), 0 to 80% RH

(with batteries removed)

**Temperature Coefficient:** 0.1 x (specified accuracy) per 1.8°F

(-4°F to 64°F; 42°F to 122°F), per 1°C (-20°C to 18°C, 28°C to 50°C)

**Weight:** 0.33 lbs (150 g)

**Water Resistant:** Designed to IP55

## Operation

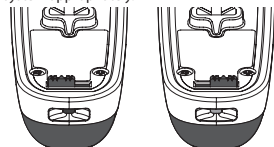
Press for 1 second to power ON/OFF.

### LED Color Indications

Green slow blink: normal operation  
Yellow blink: open thermocouple circuit  
Red slow blink: batteries need to be replaced

### High or Low Side Switch

The Job Link® system app knows which side you have selected for each probe. Select **Suction** line or **Liquid** line and place it on the system appropriately.



Suction Line  
(Low Side)  
(Blue)

Liquid Line  
(High Side)  
(Red)

## Rapid Rail™ Sensor Advantages

Traditional pipe clamps sit on top of the pipe surface. Some sensors touch the pipe, some have a material between the pipe and the sensor. They can be affected by wind, heat, corrosion, insulation, paint, dirt, etc.

The Rapid Rail™ sensor uses the pipe itself to complete the thermocouple circuit. The pipe is part of the sensor! If you get a measurement, you know it's correct.

Because the pipe *is* the thermocouple junction, all you need is enough contact for conductivity. This means the clamp can sit on an angle or on a bend without loss in performance.

There is a beeper and an LED to indicate whether or not the circuit is closed and a temperature is being measured:

**Double beep and yellow LED = Open Circuit**  
**Single beep and green LED = Closed Circuit**

If you don't get a measurement, there's something on the pipe that's blocking the electrical circuit (and accuracy). Sometimes you can slightly rotate the clamp back and forth around the pipe to cut through contaminants. Sometimes you need to sand the pipe a bit.

## Remote Data Logging

(Data logging will be available shortly after time of printing. Look for updates.)

Use the Job Link® system mobile app to program the JL3PC to log measurements starting at a specific time of day for up to 7 days. Auto power off disables.

- 1 Make sure JL3PC is powered OFF.
- 2 Open the Job Link® system mobile app.
- 3 Press  $\Phi$  for 5 seconds to enter data logging mode. The LED will shine solid green.
- 4 Set up the probe's data logging parameters within the app. The LED will blink green while the app is sending setup instructions. The LED will slow blink blue when waiting for programmed start time to occur.
- 5 Place the JL3PC on the system.
- 6 When the programmed start time is reached, the LED will very slowly blink green to indicate data logging has begun.
- 7 When the programmed span has finished, the LED blinks and powers OFF.
- 8 Repeat steps 1-3 and use the app to extract your data log from the JL3PC.

## Auto Power Off (APO)

If the clamp hasn't been opened/closed or the button pressed, it will automatically power off after 2 hours. To disable APO until powered off, while power is on tap  $\Phi$  twice. The LED will briefly blink red. To enable APO, while power is on tap  $\Phi$  twice. The LED will briefly shine red.

## Limited Warranty

This probe is warranted against defects in material and workmanship for one year from date of purchase from an authorized Fieldpiece dealer. 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.

## Obtaining Service

For international customers, warranty for products purchased outside of the U.S. should be handled through local distributors. Visit our website to find your local distributor.

**Fieldpiece**  
Designed in USA

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## Certifications and Module IDs



EN 300 328



2ALHR003



Regulatory Compliance Mark



Waste Electrical and Electronic Equipment



Restriction of Hazardous Substances Compliant



00263-18-10972

IC: Industry Canada

22518-BT003

IFETEL: Federal Telecom Institute

RCPF12A18-0235

## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

(Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada licence-exempt RSS-247 standard. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**IC Radiation Exposure Statement:** This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0.5 cm between the radiator and your body. Fieldpiece Instruments 1636 West Collins Avenue, Orange, CA 92867

## IFETEL Statement

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

The operation of this equipment is subject to the following two conditions: (1) this device or device may not cause harmful interference, and (2) this device or device must accept any interference, including interference that may cause undesired operation.

## ANATEL Statement

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

This equipment is not subject to the protection from harmful interference and may not cause interference with duly authorized systems.



# Fieldpiece

## Job Link® System Pressure Probe OPERATOR'S MANUAL

Model JL3PR



### Quick Start

- 1 Install the Fieldpiece Job Link® system app on your mobile device and sign up for an account if you're a new user.
- 2 Remove the single screw of the yellow battery cover and install 2 x AAA batteries.
- 3 Press  $\Phi$  for 1 second to power on.
- 4 Open Measurements in the Job Link® app and favorite the probe to the tool manager.
- 5 View live measurements on your mobile device up to 1000 feet away.

### What's Included

- Job Link® System Pressure Probe
- 2 x Replacement Gaskets
- 2 x AAA Batteries
- Operator's Manual
- 1 Year Limited Warranty

### WARNING

Hand turn the female fitting to connect and disconnect.  
DO NOT use the plastic body to increase leverage. Doing so can cause damage, leaks, and void warranty.  
Do not apply more than 800 psig.

### Description

The JL3PR Job Link® System Pressure Probe sends long range wireless pressure measurements directly to the Fieldpiece Job Link® system mobile app.

Easily reach service ports in tight spaces using the angled 1/4" fitting. The rubberized protective housing is both ergonomic and rugged for daily use.

Flip the switch to red or blue and the app immediately knows which side of the system you're going to place your pressure probe.

The perfect balance of size and capability gives you exactly what you need to diagnose systems day in and day out quickly and confidently.

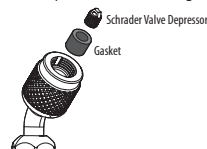
### Maintenance

**CLEANING:** Clean the exterior with a damp cloth. Do not use detergents or solvents.

**BATTERIES:** When the LED slow blinks Red, the batteries must be replaced. Ensure the power is OFF. Remove the single screw from the yellow battery cover. Install 2 x AAA batteries. You can also monitor battery life in the Job Link® app tool manager.

**GASKET:** The black rubber gasket that seals the pressure probe to the service port may become worn over time potentially causing a leak. This results from overtightening or connecting to damaged service port fittings.

- 1 Use needle nose pliers or a similar tool to unscrew the Schrader valve depressor from the gasket.
- 2 Remove and replace the worn gasket.
- 3 Screw the depressor back into the gasket.



### Specifications

#### Minimum Device Requirement:

BLE 4.0 devices running iOS® 7.0 or Android™ 5.0

**Sensor Type:** Relative pressure

**Connector Type:** Standard 1/4" NPT female flare fitting (angled)

#### Measurement Range:

29" HgV to 580 psig, 74 cmHgV to 0 to 4000 kPa

#### Accuracy:

29" HgV to 0" HgV:  $\pm 0.2$ " HgV; 74 cmHgV to 0 cmHgV:  $\pm 1$  cmHgV

0 to 200 psig:  $\pm 1$  psig; 0 to 1378 kPa:  $\pm 7$  kPa

200 to 580 psig:  $\pm 2$  psig; 1378 to 4000 kPa:  $\pm 14$  kPa

**Maximum Overload Pressure:** 800 psig (5500 kPa)

**Battery Type:** 2 x AAA, NEDA 24A, IEC LR03

**Battery Life:** 150 hours typical alkaline. LED blinks red when battery replacement is needed.

**Auto Power Off:** 2 hours (APO can be disabled)

**Wireless Range:** 1000 feet (305 meters) line of sight.

Obstructions affect distance.

**Radio Frequency:** 2.4 GHz

**Operating Environment:** -4°F to 122°F (-20°C to 50°C) at <75% RH

**Storage Temperature:** -4°F to 140°F (-20°C to 60°C), 0 to 80% RH (with batteries removed)

**Temperature Coefficient:** 0.1 x (specified accuracy) per 1.8°F

(-4°F to 64°F, 82°F to 122°F), per 1°C (-20°C to 18°C, 28°C to 50°C)

**Weight:** 0.39 lbs (177 g)

**Water Resistant:** Designed to IP55

### Operation

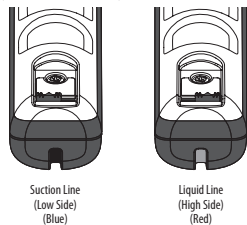
Press for 1 second to power ON/OFF.

### LED Color Indications

Green slow blink: normal operation  
Red slow blink: batteries need to be replaced

### High or Low Side Switch

The Job Link® system app knows which side you have selected for each probe. Select **Suction** line or **Liquid** line and place it on the system appropriately.



### Remote Data Logging

(Data logging will be available shortly after time of printing. Look for updates.)

Use the Job Link® system mobile app to program the JL3PR to log measurements starting at a specific time of day for up to 7 days. Auto power off disables.

- 1 Make sure JL3PR is powered OFF.
- 2 Open the Job Link® system mobile app.
- 3 Press  $\Phi$  for 5 seconds to enter data logging mode. The LED will shine solid green.
- 4 Set up the probe's data logging parameters within the app. The LED will blink green while the app is sending setup instructions. The LED will slow blink blue when waiting for programmed start time to occur.
- 5 Place the JL3PR on the system.
- 6 When the programmed start time is reached, the LED will very slowly blink green to indicate data logging has begun.
- 7 When the programmed span has finished, the LED blinks and powers OFF.
- 8 Repeat steps 1-3 and use the app to extract your data log from the JL3PR.

### Auto Power Off (APO)

The pressure probe will automatically power off after 2 hours. To disable APO until powered off, while power is on tap  $\Phi$  twice. The LED will briefly blink red. To enable APO, while power is on tap  $\Phi$  twice. The LED will briefly shine red.

### Auto Calibration

Automatically calibrate your JL3PR by ensuring the sensor is open to atmosphere when you power ON the probe.

### Limited Warranty

This probe is warranted against defects in material and workmanship for one year from date of purchase from an authorized Fieldpiece dealer. 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.

### Obtaining Service

For international customers, warranty for products purchased outside of the U.S. should be handled through local distributors. Visit our website to find your local distributor.

**Fieldpiece**  
Designed in USA

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### Certifications and Module IDs

CE  
EN 300 328

FC  
2ALHR003

ANATEL  
00263-18-10972

IC: Industry Canada  
22518-BT003

Regulatory Compliance Mark

Waste Electrical and Electronic Equipment

Restriction of Hazardous Substances Compliant

IFETEL: Federal Telecom Institute  
RCPEI2A18-0235

### FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada licence-exempt RSS-247 standard. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**IC Radiation Exposure Statement:** This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0.5 cm between the radiator and your body. Fieldpiece Instruments 1636 West Collins Avenue, Orange, CA 92667

### IFETEL Statement

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

The operation of this equipment is subject to the following two conditions: (1) this device or device may not cause harmful interference, and (2) this device or device must accept any interference, including interference that may cause undesired operation.

### ANATEL Statement

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

This equipment is not subject to the protection from harmful interference and may not cause interference with duly authorized systems.



# Fieldpiece

## Job Link® System Flex Psychrometer Probe

### OPERATOR'S MANUAL

Model JL3RH



## Quick Start

- 1 Install the Fieldpiece Job Link® system app on your mobile device and sign up for an account if you're a new user.
- 2 Remove the single screw of the yellow battery cover and install 2 x AAA batteries.
- 3 Press  $\phi$  for 1 second to power on.
- 4 Open Measurements in the Job Link® app and favorite the probe to the tool manager.
- 5 Remove protective slip cover from tip.
- 6 View live measurements on your mobile device up to 1000 feet away.

## What's Included

- Job Link® System Flex Psychrometer Probe
- 1 Protective Slip Cover
- 2 x AAA Batteries
- Operator's Manual
- 1 Year Limited Warranty

### WARNING

Prevent damage, do not drill holes blindly into a plenum that houses the evaporator or heat exchanger.

## Description

The JL3RH Job Link® System Flex Psychrometer Probe sends air measurements directly to the Fieldpiece Job Link® app up to 1000' away.

Measure %RH, dry bulb, wet bulb, dew point, and enthalpy at a register/grille, in the duct, or just walking around. Bend the flexible probe and slide the magnet to conveniently configure the JL3RH to your situation.

The rubberized protective housing is both ergonomic and rugged for daily use. Flip the switch and app immediately knows which side of the system you're going to place your psychrometer probe.

Use the long wireless range, strong magnet, and flexible probe for quick and easy psychrometrics testing.

## Maintenance

**CLEANING:** Clean the exterior with a damp cloth. Do not use detergents or solvents. Do not touch the sensor.

**BATTERIES:** When the LED slow blinks Red, the batteries must be replaced. Ensure the power is OFF. Remove the single screw from the yellow battery cover. Install 2 x AAA batteries. Monitor battery life in the app's tool manager.

**SENSOR CARE:** Cover the sensor with the slip cover when not in use. Extreme conditions or exposure to solvent vapor may offset the RH sensor. To re-calibrate, place the sensor in a controlled environment of 75%RH and between 68°F - 86°F for a period of 24 hours. To create a 75%RH environment, add wet salt to a clean open container (bottle cap). Be careful to not let the solution touch the probe. Place this container and the probe in a large sealed bag at room temperature, undisturbed for 24 hours.

## Specifications

**Minimum Device Requirement:**  
BLE 4.0 devices running iOS® 7.0 or Android™ 5.0

**Battery Type:** 2 x AAA, NEDA 24A, IEC LR03  
**Battery Life:** 150 hours typical alkaline. LED blinks red when battery replacement is needed.

**Auto Power Off:** 2 hours (APO can be disabled)  
**Wireless Range:** 1000 feet (305 meters) line of sight. Obstructions affect distance.

**Radio Frequency:** 2.4 GHz  
**Operating Environment:** -4°F to 122°F (-20°C to 50°C) at <75% RH  
**Storage Temperature:** -4°F to 140°F (-20°C to 60°C), 0 to 80% RH (with batteries removed)

**Temperature Coefficient:** 0.1 x (specified accuracy) per 1.8°F (32°F to 64°F, 82°F to 122°F), per 1°C (0°C to 18°C, 28°C to 50°C)

**Weight:** 0.33 lbs (150 g)  
.25" (235mm) length

### Relative Humidity (%RH)

**Hysteresis:** ±1%RH typical (Excursion of 10% to 90% to 10%RH)  
**Measurement Range:** 0%RH to 100%RH

**Accuracy:** (At 73.4°F (23°C))  
±2.5% (10%RH to 90%RH); ±(5%) <10%RH, >90%RH  
**Response Time:** 60 seconds typical for 90% of total range

### Temperature

**Measurement Range:** -40°F to 250°F (-40°C to 121°C) **Accuracy:**  
±(1°F) 32°F to 113°F, ±(0.5°C) 0°C to 45°C; ±(2°F) -40°F to 32°F, 113°F to 250°F; ±(1°C) -40°C to 0°C, 45°C to 121°C

## Operation

Press for 1 second to power ON/OFF.

### LED Color Indications

Green slow blink: normal operation  
Red slow blink: batteries need to be replaced

### Supply or Return Side Switch

The Job Link® system app knows which side you have selected for each probe. Select **Supply** air or **Return** air and place it on the system appropriately.

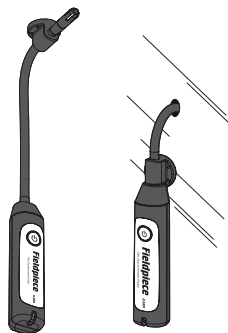
Supply Air  
(Cool Air)  
(Blue)

Return Air  
(Warm Air)  
(Red)

## Magnetic Hanger

You can slide the magnet to where you need it. Slide it to the top and reach high grilles/registers.

The magnet also holds the psychrometer in place when testing in duct air. Just bend the probe and slide into a 3/8" (10mm) hole in the duct.



## Remote Data Logging

(Data logging will be available shortly after time of printing. Look for updates.)

Use the Job Link® system app to program the JL3RH to log measurements starting at a specific time of day for up to 7 days. Auto power off disables.

- 1 Make sure JL3RH is powered OFF.
- 2 Open the Job Link® system mobile app.
- 3 Press  $\phi$  for 5 seconds to enter data logging mode. The LED will shine solid green.
- 4 Set up the probe's data logging parameters within the app. The LED will blink green while the app is sending setup instructions. The LED will slow blink blue when waiting for programmed start time to occur.
- 5 Place the JL3RH on the system.
- 6 When the programmed start time is reached, the LED will very slowly blink green to indicate data logging has begun.
- 7 When the programmed span has finished, the LED blinks and powers OFF.
- 8 Repeat steps 1-3 and use the app to extract your data log from the JL3RH.

## Auto Power Off (APO)

The probe will automatically power off after 2 hours. To disable APO until powered off, while power is on tap  $\phi$  twice. The LED will briefly blink red. To enable APO, while power is on tap  $\phi$  twice. The LED will briefly shine red.

## Limited Warranty

This probe is warranted against defects in material and workmanship for one year from date of purchase from an authorized Fieldpiece dealer. Fieldpiece will replace or repair the defective unit, at its option, subject to verification of the defect. Register your Fieldpiece product.

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.

### Obtaining Service

For international customers, warranty for products purchased outside of the U.S. should be handled through local distributors.

**Fieldpiece**  
Designed in USA  
MADE IN THAILAND

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## Certifications and Module IDs

CE  
EN 300 328  
FC  
2ALHR003

ANATEL  
00263-18-10972

IC: Industry Canada  
22518-BT003

Regulatory Compliance Mark

Waste Electrical and  
Electronic Equipment

Restriction of Hazardous  
Substances Compliant

IFETEL: Federal Telecom Institute  
RCPF2A18-0235

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- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

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**IC Radiation Exposure Statement:** This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0.5 cm between the radiator and your body. Fieldpiece Instruments 1636 West Collins Avenue, Orange, CA 92867

## IFETEL Statement

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

The operation of this equipment is subject to the following two conditions: (1) this device or device may not cause harmful interference, and (2) this device or device must accept any interference, including interference that may cause undesired operation.

## ANATEL Statement

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

This equipment is not subject to the protection from harmful interference and may not cause interference with duly authorized systems.

### TECHNICAL DATA

#### Features

- Measures AC/DC current/voltage, resistance, capacitance, frequency, duty cycle, and contact temperature
- 6,000-count backlit LCD display and analog bargraph
- Flexible current probe can expand AC current measurements up to 3000A; (R5065, sold separately)
- Ergonomic design fits in your hand and can be used while wearing protective gloves
- Built-in LED flashlight
- Low battery and over range indicators
- Built-in non-contact voltage detector with LED indicator
- True RMS voltage and current for accurate measurements
- Low Pass Filter and Low Impedance (LoZ) modes
- Min/Max, display hold and relative mode
- Diode test and continuity check functions
- Durable double molded plastic housing
- Cat. III 1000V, Cat. IV 600V safety rating
- Includes type K thermocouple, test leads, batteries and carrying case

#### Specifications

##### AC/DC Current

Range: 60, 600, 1000A  
Accuracy: AC/DC:  $\pm(2\% \text{ rdg.} + 5 \text{ dgt.})$   
Resolution: 0.01, 0.1, 1A

##### AC/DC Voltage

Range: AC: 6, 60, 600, 1000V  
DC: 600mV, 6, 60, 600, 1000V  
Accuracy: AC:  $\pm(1.0\% \text{ rdg.} + 8 \text{ dgt.})$   
DC:  $\pm(0.5\% \text{ rdg.} + 5 \text{ dgt.})$   
Resolution: 0.1mV, 0.001V, 0.01V, 0.1V, 1V

##### Resistance

Range: 600 $\Omega$ , 6, 60, 600k $\Omega$ , 6, 60M $\Omega$   
Accuracy:  $\pm(1\% \text{ rdg.} + 2 \text{ dgt.})$   
0.1 $\Omega$ , 0.001k $\Omega$ , 0.01k $\Omega$ , 0.1k $\Omega$ ,  
0.001M $\Omega$ , 0.01M $\Omega$

##### Capacitance

Range: 60, 600.0nF, 6, 60, 600 $\mu$ F, 6, 60mF  
Accuracy:  $\pm(4.0\% \text{ rdg.} + 5 \text{ dgt.})$   
Resolution: 0.01nF, 0.1nF, 0.001 $\mu$ F, 0.01 $\mu$ F,  
0.1 $\mu$ F, 0.001mF, 0.01mF



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### TECHNICAL DATA

#### Frequency

Range: 10Hz, 1MHz  
Accuracy:  $\pm(0.1\% \text{ rdg.} + 3 \text{ dgt.})$   
Resolution: 0.01Hz, 1kHz

#### Low Pass Filter (LPF) AC Voltage

Range: 600, 1000V  
Accuracy:  $\pm(2\% \text{ rdg.} + 5 \text{ dgt.})$   
Resolution: 0.1, 1V

#### Low Impedance (LoZ) AC Voltage

Range: 600, 1000V  
Accuracy:  $\pm(2\% \text{ rdg.} + 5 \text{ dgt.})$   
Resolution: 0.1, 1V

#### Temperature

Range: -40 to 1832°F (-40 to 1000°C)  
Accuracy:  $\pm(1.0\% \text{ rdg.} + 4^\circ\text{F})$   
 $\pm(1.0\% \text{ rdg.} + 2^\circ\text{C})$   
Resolution: 1°F, 1°C

#### General Specifications

Range Selection: Autoranging / Manual  
Low Impedance (LoZ): Yes  
Low Pass Filter (LPF): Yes  
True RMS: Yes  
Display: 6,000 count LCD display  
Display Hold: Yes  
Max/Min: Yes  
Peak Hold: N/A  
Zero Push  
Button Adjustment: Yes  
Relative Mode: Yes  
Diode Test: Yes  
Backlit Display: Yes  
Analog Bargraph: Yes (31-segment)  
Continuity Check: Audible signal if resistance  $\leq 30\Omega$   
Duty Cycle: Yes  
Non-Contact  
Voltage Detector: Yes  
Built-In Flashlight: Yes  
Kick Stand: N/A  
Autoshut off: Yes (after 15 mins)

Flexible current probe  
(optional):

Yes (R5065, Extends to 3000A)

Power Supply:

3 x AAA Batteries

Low Battery Indicator:

Yes

Jaw Opening:

1.7" (42mm), up to 1500 MCM

Overvoltage Category:

CAT. III 1000V, CAT. IV 600V

Product Certifications:

CE, ETL

Operating Temperature:

32 to 122°F (0 to 50°C)

Storage Temperature:

14 to 140°F (-10 to 60°C)

Dimensions:

10.7 x 3.2 x 1.7"  
(272 x 81 x 43.5mm)

Weight:

15.8oz (447g)

#### R5055-KIT

AC/DC Clamp Meter with Flexible  
Current Probe

Includes:

R5055 1000A AC/DC Clamp Meter and  
R5065 3000A Flexible 18" Current Probe



Model	Description
R5055	AC/DC Clamp Meter
R5400	Line Splitter
R2990	Thermocouple Adapter
R5065	Flexible 18" Current Probe
R2920	Surface Thermocouple Probe
R2930	Right Angle Thermocouple Surface Probe
R2940	Air/Gas Thermocouple Probe
R2950	Immersion Thermocouple Probe
R2960	Needle Tip Thermocouple Probe
R1020	Fused Test Lead Set
R1000	Safety Test Lead Set
CA-05A	Medium Soft Carrying Case
R5055-KIT	AC/DC Clamp Meter with Flexible Current Probe
R5055-NIST	AC/DC Clamp Meter with NIST
R5055-KIT-NIST	AC/DC Clamp Meter with Flexible Current Probe with NIST