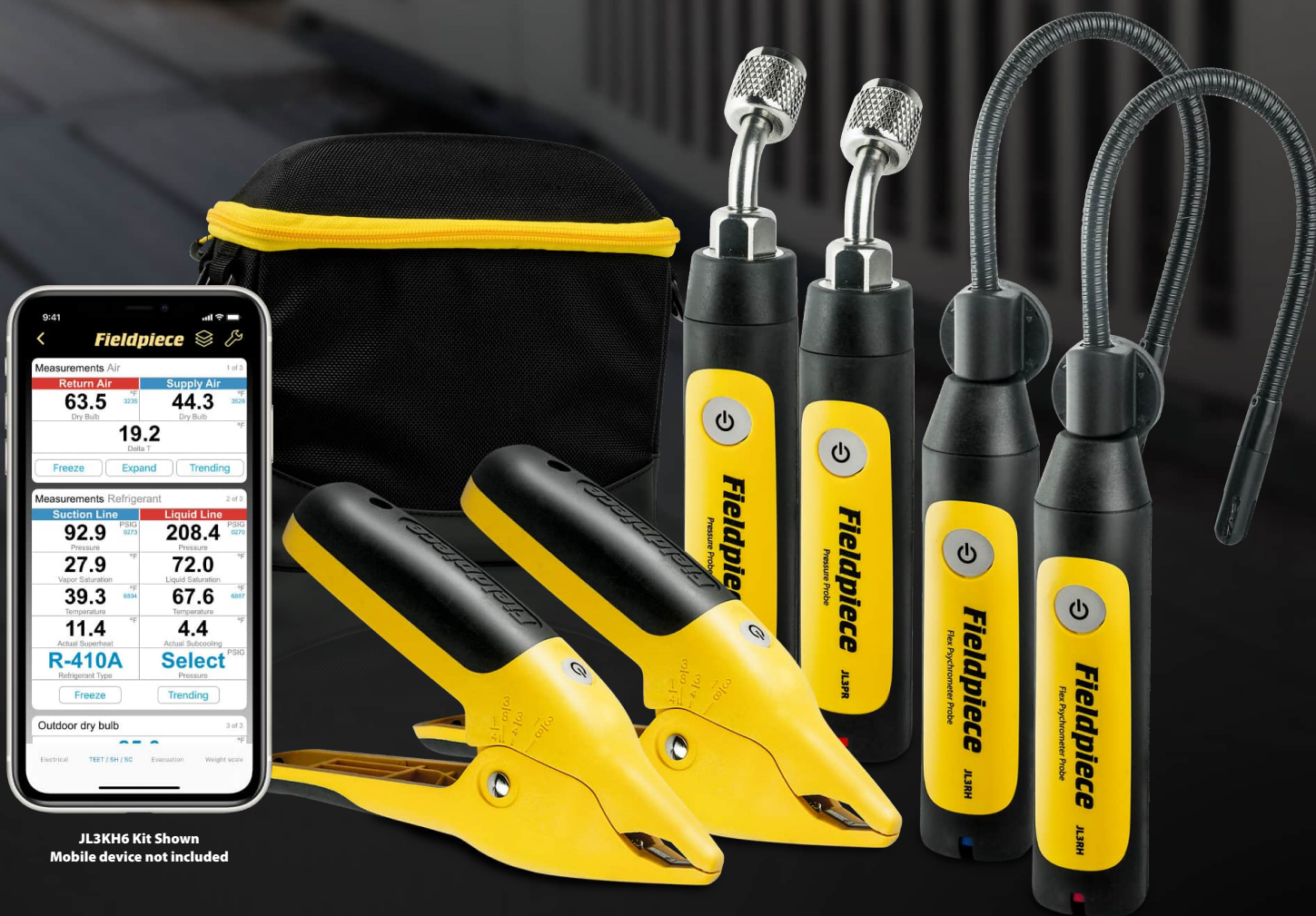


EASY, LONG RANGE, POWERFUL

Versatile, tough, innovative.

Take a full system snapshot quickly and easily with the Job Link System Probes. All measurements can be sent up to 1000' away directly to your mobile device with the Job Link System mobile app. We designed and built each tool to be tough, accurate and exactly what a pro in the field needs.



JL3KH6 Kit Shown
Mobile device not included

Job Link® System Probes, JL3KH6, JL3KR4

- Directly connects to mobile device with Job Link System App
- Wireless range of 1,000'
- Fast accurate temps with Rapid Rail™ technology
- Pressures auto calibrate at any elevation
- Great for critically charged systems
- Reduce call backs



JL3KR4 Job Link® System Charge Test Kit

- 2 Temperature Pipe Clamps
- 2 Pressure Probes
- 1 Padded Protective Case



JL3KH6 Job Link® System Charge and Air Kit

- 2 Temperature Pipe Clamps
- 2 Pressure Probes
- 2 Psychrometer Probes
- 1 Padded Protective Case



Pressure Probe, JL3PR



Pipe Clamp, JL3PC



Flex Psychrometer, JL3RH

45° angled fitting easily connects in tight spaces	LED and beep indicate accurate connection	Place in critical locations based on system needs
Pressure sensors are accurate at any elevation	Ambient air conditions doesn't affect measurements	Requires only a 3/8" hole for duct testing
Field replaceable gasket	Narrow jaw connects in tight spaces	Flex wand and strong adjustable magnet for hands free measurements
Great for critically charged systems	Communicates wirelessly with SMAN® Refrigerant Manifolds (SM380V and SM480V)	Measures %RH, dry and wet bulb, dew point, and enthalpy
Water resistant	Water resistant	Communicates wirelessly with SMAN® Refrigerant Manifolds (SM380V and SM480V)

Fieldpiece

Job Link® System Pressure Probe

OPERATOR'S MANUAL

Model JL3PR



www.fieldpiecejoblink.com

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 ⏻ 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.

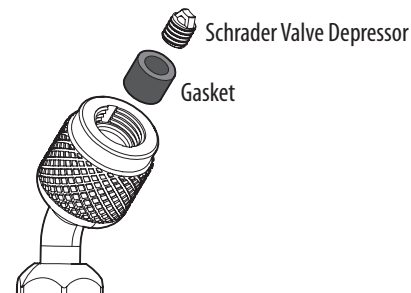
Maintenance

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
(Latest compatibility at www.fieldpiece.com)

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: ± 1 cmHgV

0 to 200 psig: ± 1 psig; 0 to 1378 kPa: ± 7 kPa

200 to 580 psig: ± 2 psig; 1378 to 4000 kPa: ± 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

US Patent: www.fieldpiece.com/patents

Operation



Press for 1 second to power ON/OFF.

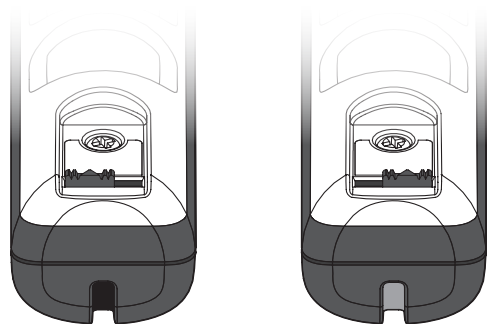
LED Color Indications

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.



Suction Line
(Low Side)
(Blue)

Liquid Line
(High Side)
(Red)

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 ϕ 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 ϕ twice. The LED will briefly blink red. To enable APO, while power is on tap ϕ 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
MADE IN TAIWAN

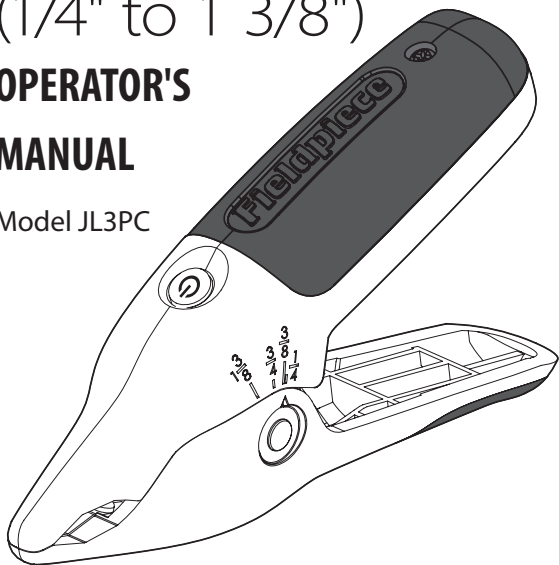
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Fieldpiece

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

OPERATOR'S MANUAL

Model JL3PC



www.fieldpiecejoblink.com

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 ⏻ 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 electrically (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
(Latest compatibility at www.fieldpiece.com)

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 , 82°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

US Patent: www.fieldpiece.com/patents

Operation



Press for 1 second to power ON/OFF.

LED Color Indications

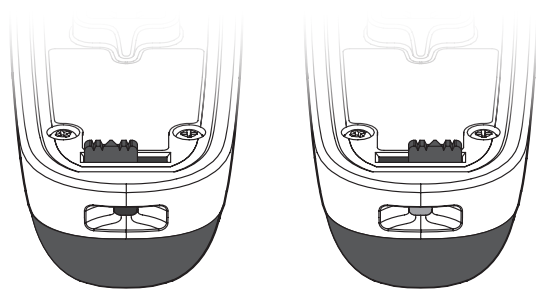
Green slow blink: normal operation

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 \odot 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 \odot twice. The LED will briefly blink red. To enable APO, while power is on tap \odot 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.

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