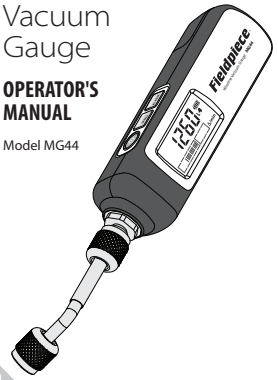
Fieldpiece

Wireless Vacuum Gauge

OPERATOR'S MANUAL

Model MG44



01

Quick Start

1. Unscrew the battery cover and install (2) AA alkaline batteries.
2. Hold ☼ to power on.
   Wireless setting is briefly displayed (ON/OFF). Activate wireless in the menu to send measurements to compatible Job Link® system tools.
3. Connect to the equipment you're evacuating.
   Connect directly to an unused service port or to a Schrader valve core removal tool.
4. View the live measurement on the top line.
5. Press **NEXT** to change bottom line view.

What's Included

(1) MG44 Wireless Vacuum Gauge
(1) Reversible 1/4" angled (45°) coupler
(2) AA Batteries
(1) Operator's manual
(1) Year limited warranty

⚠ WARNINGS

Disconnect MG44 from system before applying pressure; pressures above 870 psig (60 bar) can damage the vacuum gauge.
Hand tighten fittings; overtightening may damage seals.
Follow all equipment manufacturer's testing procedures above those in this manual in regards to properly servicing their equipment.

02

Description

Use the MG44 Wireless Vacuum Gauge to reliably monitor your evacuations in the field. Long range wireless technology sends deep vacuum measurements up to 1000 feet (305 meters) away. View live on your SMAN™ manifold, in the Job Link® mobile app, or directly on the MG44.

Save time by wirelessly monitoring your evacuations. Remotely view trending on the Job Link mobile app so you know when an extra nitrogen purge is required, a leak is suspected, or just watch everything pull as planned.

Reduce the misleading nature of dynamic vacuum measurement during pull down by connecting MG44 directly to the system. The reversible angled coupler makes it easy to orient the gauge so that it's out of the way and easy to see.

Select one of three unique views, including a new Rate Meter that provides a great feel and a Bar Graph that has a range up to atmosphere.

Built for demanding field use, the overmolded case resists damage from physical impact and water ingress.

03

Maintenance

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

SENSOR: Clean the sensor on a regular basis to prevent the build up of oils and contaminents. *DO NOT use an object such as a cotton swab to clean the sensor. This may damage the sensor.*

1. Power off MG44.
2. If attached, remove the coupler from MG44 to expose the cavity of the 1/4" male fitting.
3. Fill up about half of the cavity with isopropyl (rubbing) alcohol or AC system flush.
4. Cover the cavity and gently shake it for about 15-30 seconds.
5. Pour out the dirty solution and let the vacuum sensor dry with the fitting facing down.

BATTERIES: An empty battery icon ▭ indicates batteries need to be replaced. When power is too low to operate, "**LoBatt**" is displayed 5 sec before powering off automatically. You can also monitor battery life in the Job Link app tool manager.

1. Power off MG44.
2. Unscrew the battery cover (2 screws) and dispose of batteries according to local law.
3. Install (2) new alkaline AA batteries.
4. Reinstall cover.

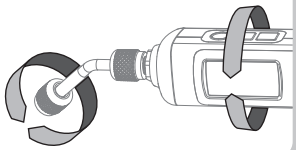
GASKETS: Each end of the coupler is sealed by a black rubber gasket. These may become worn over time due to overtightening or connecting to damaged male fittings.

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.

Reversible Coupler

It's best to avoid using a hose to connect your vacuum gauge to the system. The coupler makes it easy to connect the gauge directly to a service port or valve core removal tool.

Each end has a valve depressor and gasket so you can flip the coupler to best fit the system and your viewing angle. Rotate and tighten each end independently for optimal viewing and control.



04

Operation

Buttons

Unless muted, each button press triggers a beep. An inactive button press triggers a double beep.

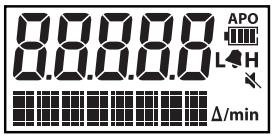
☼ Hold to toggle power.
Toggle backlight.
Silence alarm.

ENTER MENU Hold to enter **MENU**.
Hold to exit **MENU** without saving.
ENTER selection.
Stop low alarm and start high alarm.

NEXT ALARM **NEXT** view.
NEXT menu item or increase value.
*Hold to toggle **ALARM** mode.*
Silence alarm.

Display

In standard operating mode, the top line shows the live measurement. The bottom line shows one of three selectable views.



APO : Auto Power Off Enabled
: Battery Level
L : Low Alarm
H : High Alarm
: Muted
Δ/min : Rate (differential per minute)
ON : Wireless Enabled (shown at startup)
OFF: Wireless Disabled (shown at startup)

06

Views

Press **NEXT** to change the content of the bottom line. Each view provides a unique way to monitor your evacuation.

RATE: The running 10-second average of the measurement's change per minute. Negative rates indicate the vacuum is getting deeper.

RATE METER: The graphical representation of the measurement's real-time change per minute. The scale is dynamic (i.e. relative to the measurement) making changes easy to see.

Decreasing
Stable
Increasing

BAR GRAPH: The graphical representation of the measurement. The scale is static and nonlinear for increased resolution at deeper vacuums. Full bars indicates atmospheric pressure.

~3500 micronHg

Alarm Mode

Every evacuation is different. Some require multiple purges of dry nitrogen, while some take less time than a phone call. Activate alarm mode so you can get other things handled without babysitting your gauge.

Follow recommended evacuation practices from the equipment manufacturer and training. Alarm levels can be adjusted in the menu.

1. Hold **ALARM** to activate* low alarm (**L**).
   Stopwatch starts. APO deactivates.
   Turn on your vacuum pump.
2. Once the low alarm level is reached, the backlight blinks and the alarm sounds.
   *To silence the alarm, press ☼ or **NEXT**.*
   Isolate the vacuum pump from the system.
3. Press **ENTER** to activate high alarm (**H**).
   Stopwatch restarts.
4. Once the high alarm level is reached, the backlight blinks and the alarm sounds.
   *To silence the alarm, press ☼ or **NEXT**.*
   Stopwatch stops.
5. Press **ENTER** to exit alarm mode.
   APO reactivates.

* Hold **ALARM** to exit alarm mode at any time.

Specifications

Connector Type: 1/4" SAE male fitting. Includes reversible 1/4" angled (45°) coupler with Schrader depressors.
Max Pressure: 870 psig (60 bar)
Refresh Rate: 0.5 seconds
Accuracy: ±(5% reading + 5 micron) at 77°F (25°C), 50 to 2000 micron
Measurement Range and Units:
50 to 25000 micronHg (mTorr); 0.05 to 25 mmHg (Torr);
6 to 3333 Pascals; 0.06 to 33.33 mBar
Bar Graph Range: ultimate vacuum to atmospheric pressure
Best Resolution:
1 micronHg(mTorr), below 2000; 0.001 mmHg (Torr), below 2.5;
1 Pascal, below 250; 0.001 mBar, below 2.5;
Battery Type: 2 x AA Alkaline, NEDA 15A, JIS UM3, IEC LR6
Battery Life: 50 hours typical alkaline
Auto Power Off: 15 minutes default (APO adjustable)
Wireless Range: 1000 feet (305 meters) line of sight.
Obstructions affect distance.
Radio Frequency: 2.4 GHz
Wireless Device Requirements:
Job Link® app: BLE 4.0 devices with iOS® 7.0 or Android™ 5.0
SMAN™ manifold: Models SM380V/SM480V with latest firmware installed.

Water Resistance: IP54
Operating Environment: 14°F to 122°F (-10°C to 50°C) at <75%RH
Storage Temperature: -4°F to 140°F (-20°C to 60°C) at <80%RH (with batteries removed)
Weight: 0.66 lbs (300 g)

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Settings Menu

The settings menu can be entered when in standard operating mode. Selecting a new setting automatically exits the menu. This saves time getting in and out of the menu quickly for your most commonly changed setting (e.g. wireless).

1. Hold **ENTER** to enter* the settings menu.
   The menu starts where you last exited.
2. Press **NEXT** to view next setting.
   The menu loops so keep going if you skipped the setting you want to change.
3. Press **ENTER** to select the setting.
4. Press **NEXT** to increase the setting value.
   The setting values loop so keep going if you skipped the value you want to save.
5. Press **ENTER** to save* the new value and exit.

* Hold **ENTER** to exit the menu without saving.

List of Settings

Start : Enable Wireless (if off)
Stop : Disable Wireless (if on)

Auto Off : Set Auto Off Timer

Units : Set Unit of Measure

Alarm Lo : Set Low Alarm Level

Alarm Hi : Set High Alarm Level

Mute : Enable Speaker (if off)
Unmute : Disable Speaker (if on)

BkLtTime : Set Backlight Timer

Firmware : View and Update Firmware

Restore : Restore Default Settings

Wireless

Start or stop sending wireless measurements. Live measurements can be sent to SMAN manifold (overrides its internal vacuum gauge), and to the Job Link mobile app for added capabilities such as live trending. Wireless is disabled by default to maximize battery life.

Auto Power Off Timer (APO)

Set the timer for the gauge automatically powering off. The timer is reset when a button is pressed. The timer is disabled in alarm mode. (15min, 30min, 45min, 60min, Disabled)

Units

Set the unit of vacuum measurement. Alarm levels are automatically converted to match the unit setting.
(Microns, Pascals, mBar, mTorr, Torr, mmHg)

Low Alarm Level (LO)

Set the vacuum level required to trigger the low alarm. Hold **NEXT** for quicker scrolling.
(50 - 500 - High Alarm)

High Alarm Level (HI)

Set the vacuum level required to trigger the high alarm. Hold **NEXT** for quicker scrolling.
(Low Alarm - 1000 - 9000)

Mute

Mute or unmute the speaker. Button presses and alarms remain silent if the speaker is muted. The icon appears if the speaker is muted.

Backlight Timer

Set the timer for the backlight automatically turning off. The timer is reset when a button is pressed.
(10s, 20s, 1min, 2min, 5min, 10min, 15min, 30min)

Firmware

Check the firmware version (X.XXX.X) by reading the first 4 digits. If a new version is available from the Job Link mobile app, initiate the update from your mobile device.

Restore

To restore all settings to their factory defaults, press **NEXT** until "YES" is displayed and press **ENTER** to confirm. To exit without restoring, select "no" or hold **ENTER**.

Evacuation Tips

MAXIMIZE FLOW

- Remove Schrader valve cores with a removal tool.
- Remove valve depressors from hoses.
- Use shortest vacuum rated hoses with largest diameter available.
- Do not evacuate through hoses with low loss fittings.

TRUST YOUR TEST

- Inspect the rubber seals at both ends of your hoses for damage. Replace as needed.
- Change pump oil before and during the job. Change pump oil on-the-fly without losing vacuum with Fieldpiece vacuum pumps.
- When the vacuum pump is isolated from the system, a slow rise that stabilizes may signify moisture is still present in the system. A continuous rise to atmosphere indicates a leak. Check hoses, tools, or the system itself.
- Measurements are less representative of the entire system when the vacuum pump is on because pumping creates a pressure gradient. Isolate the pump and allow the system to stabilize before assuming the measurement represents the entire system.

Safety First!

For use only by qualified and certified technicians in the safe use, handling, and transporting of refrigerants. Please refer to flammable refrigerant safety guides, regional codes and legislation for more information.

⚠ WARNINGS – failure to heed these hazards and actions can result in serious injury or death

1. Always use a grounded outlet
2. Always wear Proper Protective Equipment (PPE), which includes gloves and safety glasses
3. Know proper safety and handling requirements of the refrigerant in the Safety Data Sheet (SDS)
4. Avoid breathing refrigerant and oil vapors
5. Handle hoses and equipment carefully as refrigerant is under high pressure and can cause frost bite
6. Do not operate in or near explosive atmospheres
7. Perform leak detection in accordance with recommended practice to verify working environment is free from leaking refrigerant as it can be toxic and or flammable
8. Only work in well-ventilated areas (minimum of 4 air exchanges per hour)
9. Ensure power and extension cords are in good working condition to prevent shock and spark hazards

Additional safety instructions for recovering A2L refrigerants (e.g. R-32, R-1234yf, R-1234ze):

1. Adhere to local occupational safety codes and possess detailed knowledge and skills when handling mildly flammable refrigerants
2. Have emergency, evacuation, and fire protection plans
3. Designate and monitor a Temporary Flammable Zone with a 3-meter perimeter
4. Identify and disable all possible ignition sources within this Zone
5. Monitor air with a flammable refrigerant leak detector within this Zone
6. Use a ventilation fan to maintain 5 air exchanges per hour within this Zone
7. Make power connection of the recovery machine and other equipment outside of the Temporary Hazard Zone
8. Bond the recovery machine outlet port to the recovery tank's unpainted fitting with a grounding strap to dissipate static electricity buildup during recovery process
9. Ensure area around machine is free of debris that could enter air vents and fan and cause accidental sparking
10. Always remain in attendance and observant when the machine is running
11. Do not mix flammable refrigerants with air
12. Use an evacuated DOT recovery tank
13. If system has a suspected leak, stop recovery at 0 psig/bar to prevent air from entering the recovery tank
14. After recovery, purge system with 100% nitrogen before opening system for repair

⚠ CAUTIONS – failure to heed these conditions can cause equipment damage.

1. Ensure that recovery machine, hoses, tank and other equipment are in good working condition
2. Avoid overfilling recovery tanks by following refrigerant manufacturer's filling instructions and using a weight scale
3. Avoid cross contamination by not mixing refrigerants

Certifications and Module IDs

CE
EN 300 328

Regulatory Compliance Mark

UK CA
UK Conformity Assessed

Waste Electrical and Electronic Equipment

IC: Industry Canada

RoHS
Restriction of Hazardous Substances Compliant

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).

FCC Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Industry Canada Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1) L'appareil ne doit pas produire de brouillage;

2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement: This equipment complies with 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.

Cet équipement est conforme aux CNR-102 d'Industrie Canada. Cet équipement doit êtreinstallé et utilisé avec une distance minimale de 0.5 centimètres entre leradiateur et votrecorps. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec autreantenne ou émetteur. Les antennes utilisées pour cet émetteur doivent être installés etfournir une distance de séparation d'au moins 0.5 centimètre de toute personne et doit pas être co-située ni fonctionner en conjonction avec une autre antenne ou émetteur.

Fieldpiece Instruments 1636 West Collins Avenue, Orange, CA 92867

Limited Warranty

This product 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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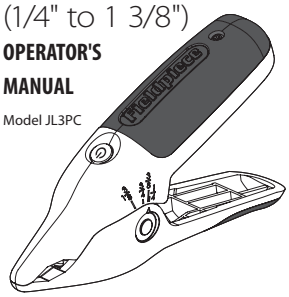
Fieldpiece

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 ⏻ 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 ¼" 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°F ± 1°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: ±1.0°F (±0.6°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

Operation

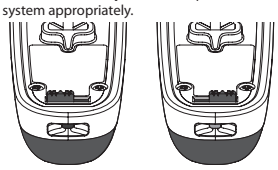
⏻ Press for 1 second to power ON/OFF.

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

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Certifications and Module IDs

CE
EN 300 328

Regulatory Compliance Mark

FC
2ALHR003

Waste Electrical and Electronic Equipment

ANATEL
00263-18-10972

RoHS
Restriction of Hazardous Substances Compliant

IC: Industry Canada
22518-BT003

IFETEL: Federal Telecom Institute
RCPFI2A18-0235

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.

Find Quality Products Online at: Valuetesters.com **info@valuetesters.com**

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 ⏻ 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 increas 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.

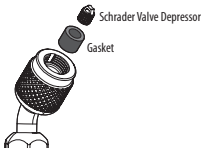
Maintenance

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: ±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

Operation

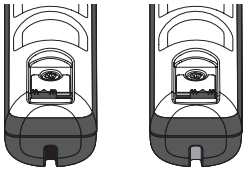
⏻ Press for 1 second to power ON/OFF.

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 ⏻ 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 ⏻ twice. The LED will briefly blink red. To enable APO, while power is on tap ⏻ 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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Certifications and Module IDs

CE
EN 300 328

Regulatory Compliance Mark

FC
2ALHR003

Waste Electrical and Electronic Equipment

ANATEL
00263-18-10972

RoHS
Restriction of Hazardous Substances Compliant

IC: Industry Canada
22518-BT003

IFETEL: Federal Telecom Institute
RCPFI2A18-0235

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

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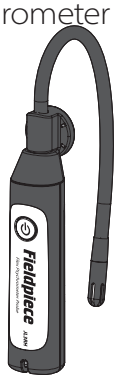
Find Quality Products Online at: Valuetesters.com **info@valuetesters.com**

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 ⏻ 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.

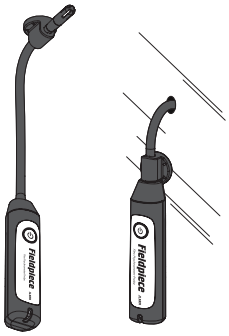
Supply Air (Cool Air) (Blue)

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

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Certifications and Module IDs

CE
EN 300 328

Regulatory Compliance Mark

FC
2ALHR003

Waste Electrical and Electronic Equipment

ANATEL
00263-18-10972

RoHS
Restriction of Hazardous Substances Compliant

IC: Industry Canada
22518-BT003

IFETEL: Federal Telecom Institute
RCPFI2A18-0235

FCC Statement

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. 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

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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

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Find Quality Products Online at: Valuetesters.com **info@valuetesters.com**

Fieldpiece

Job Link® System Manometer Probe

OPERATOR'S MANUAL

Model JL3MN

01

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 in the tool manager.
5 Tap ⏻ to zero.
6 View live measurements on your mobile device up to 1000 feet (305 meters) away.

What's Included

Job Link® System Manometer Probe
2 x AAA Batteries
Tubing with brass fitting
Bulk tubing
Gas adapter
Static pressure tip
Operator's manual
1 Year limited warranty

02

Description

The JL3MN Job Link® System Manometer Probe sends static pressure or gas pressure measurements directly to the Fieldpiece Job Link app up to 1000 feet (305 meters) away.

Use two JL3MN probes to do even more. Because they are untethered, you don't need long hoses to measure differential pressures. Measure and view real-time return static, supply static, and total external static pressure all at once. Use your static pressure tip with short tubing for accurate static pressure measurements. Measure real-time inlet and manifold pressures with 2 Job Link manometers.

Mount your manometer to equipment for hands free use in tight spaces. The powerful rotating magnet holds tight even when the hose is tugged or the equipment shakes. Slide the switch and the app immediately knows which side of the system you're going to place your manometer probe.

03

Maintenance

CLEANING: Clean the exterior with a damp cloth. Do not use detergents or solvents. Do not apply pressurized air into the connection port.

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.

SENSOR CARE: Store JL3MN in a protective cover when not in use to prevent debris or foreign contaminants from entering the barb tip. Do not pressurize the probe above its max specification.

WARNING

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

Do not place any part of the manometer on hot surfaces such as exhaust fumes. Doing so can cause personal injury, damage equipment, and void warranty.

Do no apply more than 11.6 psi.

04

Specifications

Minimum Device Requirement:
BLE 4.0 devices running iOS™ 7.0 or Android™ 5.0
(Latest compatibility at www.fieldpiece.com)
Compatible Media: Dry, non-corrosive gas
Pressure Port: Tube connector for flexible tubing (4.5 to 8mm ID)
Units of Measure: inWC, mmWC, mbar, psi, Pa
Accuracy and Ranges:
inWC: ±(1.5% + 0.02) 0.00 to ± 60.00;
mmWC: ±(1.5% + 0.5) 0.0 to ± 1500.0;
mbar: ±(1.5% + 0.05) 0.00 to ± 150.00;
psi: ±(1.5% + 0.001) 0.000 to ± 2.165;
Pa: ±(1.5% + 5) 0 to ± 14930
Maximum Overload Pressure: 321.08 inWC (11.6 psi; 80.0 kPa)
Battery Type: 2 x AAA, NEDA 24A, IEC LR03
Battery Life: 150 hours typical alkaline. LED slow-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: -10°F to 122°F (-23°C to 50°C) at <75% RH
Storage Temperature: -10°F to 140°F (-23°C to 60°C) at <80% RH (with batteries removed)
Temperature Coefficient: 0.1 x (specified accuracy) per 1.8°F (-10°F to 64°F, 82°F to 122°F), per 1°C (-23°C to 18°C, 28°C to 50°C)
Weight: 0.30 lbs (137 g)

05

Find Quality Products Online at: Valuetesters.com info@valuetesters.com

Operation

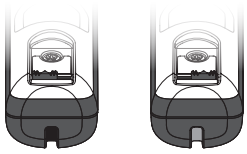
Press for 1 second to power ON/OFF.
Tap to zero measurements.

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 **P1** or **P2** and place it on the system appropriately.



P1
(Supply)
(Blue)

P2
(Return)
(Red)

Static Pressure

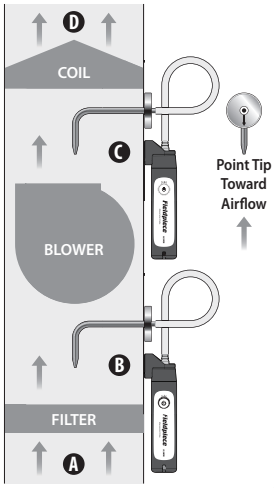
Static pressure testing ensures if the equipment is operating within factory specifications.

1 Zero your JL3MN while in ambient pressure with any tubing/probes attached before taking measurements. For measurements less than 2 inWC, take reading within 1 minute after zeroing for best accuracy.
2 Use the included static pressure tip when checking static pressure in an airflow stream.

NOTE: The red arrow on the static probes should point toward the airflow of the stream.

3 Place a JL3MN before and after the filter to measure your filter pressure drop (B A).
4 Place a JL3MN before and after the coil to measure your coil pressure drop (D C).
5 Place a JL3MN in the inlet and outlet air of the equipment to measure your total external static pressure (C B). Check with manufacturer to determine TESP test locations.

NOTE: If you are in an environment where the temperature is noticeably changing while you are taking your reading, it is advised that you disconnect the probe from the tubing and ZERO it relative to the ambient air before each reading.

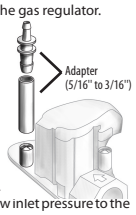


Gas Pressure

Prevent symptoms like rough starts or overheating your heat exchanger by checking your gas pressure.

1 See manufacturer's specification for target inlet and outlet fuel or gas pressures.
2 Shut off main gas supply power to furnace.
4 Zero your JL3MN while at ambient pressure with tubing attached before taking measurements.
5 Remove outlet pressure tap screw and insert the brass screw fitting of the hose into the outlet pressure tap of the gas regulator.

NOTE: Some pressure taps have a 5/16" boss instead of an insert screw. In this case, use the included 5/16" adapter tube. Loosen the tap screw about 1 revolution and slide the tube over the boss.



6 If you suspect high or low inlet pressure to the regulator, connect the JL3MN to the inlet tap.
7 Put furnace into operation and begin to take measurements.

Auto Power Off (APO)

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

Find Quality Products Online at: Valuetesters.com info@valuetesters.com

Certifications and Module IDs

CE
EN 300 328

UK CA
UK Conformity Assessed

FC
2ALHR003

Regulatory Compliance Mark

Waste Electrical and Electronic Equipment

RoHS
Restriction of Hazardous Substances Compliant

IC: Industry Canada
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IFETEL: Federal Telecom Institute
RCPFI2A18-0235

FCC Statement

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. 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.

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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