# Fieldpiece INSTRUMENTS Distributed by: Fieldpiece 8<sub>CFM</sub> Fieldpiece Instruments, Inc. 1636 W Collins Ave Orange, CA 92867 2018 Phone: 714.634.1844 Fax: 714.551.2299 www.fieldpiece.com

### Fieldpiece Overview

Fieldpiece Instruments was incorporated June 1990 in the United States to develop tools specifically for HVACR professionals.

Fieldpiece focuses on making the job easier, faster and better for HVACR professionals. Our network of tools is designed to measure just about anything a technician would need to diagnose and repair HVACR system.

Today, Fieldpiece is the HVACR industry's leading innovator of instruments in these product categories:

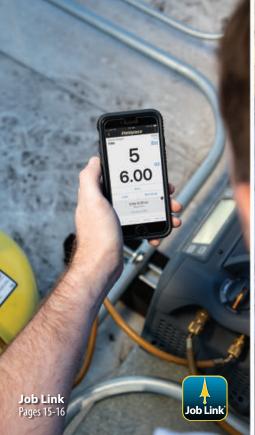
- Recovery
- A/C Analysis
- Multimeters
- Charging
- Leak Detection
- Temp & %RH
- Air Flow
- Combustion
- Pocket Tools
- Tool Bags

HVACR professionals trust Fieldpiece to have the right tools to help them do more. Everyday.













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#### Vacuum Pumps VP85 / VP55

#### New Vacuum Pumps with RunQuick™ Oil Change System

Fieldpiece is leading the charge in properly performing system evacuation with its new vacuum pumps with RunQuick™ Oil Change System. Available in an 8 CFM DC motor (model VP85), or in a 5 CFM AC motor (model VP55), these revolutionary pumps make evacuation easier and faster.

Good oil is a key ingredient of every evacuation. Clearly view your pump oil through the huge oil reservoir window to see the condition of the oil, and the system. When it's time to change the oil, it's quick, clean, and easy. With the RunQuick oil change system you can replace the oil in under 20 seconds, even while the pump is running without losing vacuum.

Plus the extra wide base helps prevent tipping and spilling oil. Four in-line ports give you tidy hose routing for three different size hoses. Place the cord on the handle for tangle-free storage.

- On-the-fly oil change in seconds
- In-line four port manifold for easy access
- Backlit oil reservoir to view condition of oil and system
- Anti oil-suck-back keeps oil out of gauges and system
- Simple-to-use gas ballast with LED indicator
- Water resistant to withstand direct rain
- 15 micron ultimate vacuum
- Sturdy base to stay upright





#### **Specifications**

- Flow Rate: 8CFM (VP85), 5CFM (VP55)
- Oil Capacity: 8oz (237mL)
- Oil Compatibility: Fieldpiece Vacuum Pump Oil (Highly refined and optimized for proper sealing and lubrication)
- Oil Backlight: Blue LED
   Oil Drain: Ball valve
- Port Sizes: (1) 1/4", (2) 3/8", (1) 1/2"
- Compressor: Rotary vane, two stage
- Motor: 3/4 HP Brushless DC (VP85), 1/3 HP AC (VP55)
- RPM: 2500 (VP85), 3440 (VP55)

- Power Source: 95 to 130 VAC @ 60 Hz (VP85)
   108 to 130 VAC @ 60 Hz (VP55)
- Nominal Current Draw: 9.0 AAC (VP85), 8.0 AAC (VP55)
- Ultimate Vacuum at Input Ports: 15 microns
- **Dimensions:** 9.25" x 12.4" x 17.7" (235 mm x 315 mm x 450 mm)
- **Weight:** 28 lbs without oil (VP85), 30 lbs without oil (VP55)
- Operating Environment: 30°F to 122°F (-1.1°C to 50°C)
- Patent: Patents Pending

### FIELDPIECE VACUUM PUMP OIL 01L128, 01L32, 01L8X3

#### **Optimized for top performance**

Gallon P/N#OIL128, 1 Quart P/N# OIL32, 8oz 3pack P/N# OIL8X3





### **Digital Recovery Machine** MR45

#### **Smart, 1HP Variable Speed DC Motor**

The variable smart speed DC motor is quieter, faster, smoother, and lighter for increased performance and comfort. Liquid slugging is minimized and vapor recovery is maximized. The advanced motor control also adjusts to match incoming voltage so that your machine works with longer extension cords or when the power grid is over capacity on hot days. Do more with MR45.



#### Lightweight (22 lbs)

- DC motor is small and light
- Carry it comfortably

#### Smoother and Faster

- Smooth liquid recovery
- Variable smart speed motor maximizes performance
- Rubber feet and motor mounts reduce noise and vibrations
- 1 horsepower motor supplies speed and power
- Micro channel condenser cools faster, especially on hot days

#### Reliable

- Active electronic monitoring protection system
- Rubberized housing protects components
- Ceramic cylinders resist abrasion
- Rail slides protect the machine and building
- Long lasting piston seals
- Protected electronics for rainy days
- Operating voltage between 95 and 130VAC

#### **IN/OUT Port Upgrades**

- Ports face out for easy access and direct flow
- Ports elevated from ground
- Rubber bumpers protect ports
- Mesh screen fitting stays in place when removing hoses
- Large rubberized dual-port routing knob

#### **Digital Display**

- Easily read the large digits
- Status messages clarify operation
- Blue backlight helps in darker situations
- Withstands long days in the sun and rain

#### **And More**

- Power cord stores on the handle
- Room to hook the handle for hoisting to the roof
- Self purge protects MR45 and our environment





Tools HVACR Pros Trust | 08



The BG36 Inspection Tool Bag is an easy to carry, over the shoulder bag with an easy to open pop top. The pop top protects your tools from inclement weather, and from spilling out if dropped or knocked over. Plus it provides extra space for small tools and drill bits. While the strong magnetic tray holds cabinet screws and washers so they're never lost.

Sectioned interior pockets keep everything organized. Zippered side pocket and large interior adjustable section protect meters from hand tools. Large open front pocket and expandable side pocket allow for additional storage. Sturdy weather protected base keeps bag standing upright.

The BG36 is extremely durable with reinforced construction, ballistic grade nylon, and ripstop nylon. Plus it's comfortable to wear with a padded, breathable back panel and adjustable strap.

- Easy Access Pop Top
- Quick locking magnetic closure
- Isolated pockets for test instruments
- Compact Rugged Design
- Magnetic Tray
- Weather Protected Sturdy Base



The BG44 Single Strap Bag System is specifically designed to fit the needs of the HVACR professional. A smaller and easier bag crafted for the initial call to test and assess a system.

Padded outside pockets keep instruments protected and away from hand tools. A strong and sturdy base keeps the bag upright and not directly on the ground.

The interior tool rack houses hand tools for easy access and quick visibility so missing tools don't get left behind. Special accessories include a magnetic tray, water bottle/ wasp spray strap, electrical tape strap, small plastic tray storage in bottom, and drill holster. All in a compact bag that fits snuggly to the body to fit in tight places like crawl spaces and ladder cages.

- Compact for tight crawl spaces and ladder cages
- Water resistant base
- Elevated sturdy base
- Magnetic tray holds screws in one place
- Padded outside pockets to protect meters
- Store small tablet in the padded slip pocket
- Plenty of D rings to connect accessories
- Tool rack for hand tools



**Digital Manifolds** 

# Do More with the Wireless Advantage



### 4-Port Wireless Manifold SMAN460, SMAN440

The Wireless Manifold for HVACR.

The newly designed SMAN460 and SMAN440 Digital Manifolds are more rugged than ever. Based on years of technician feedback, they are not only tough, but they show everything you need all at once: 2 Pressures, 2 Temps and 5 calculations.

View your target superheat, and superheat and subcooling in real-time with wireless measurements, so you can see how your charge is affecting the measurements.

Plus the 3/8" full bore manifold and VAC port make it faster to do system charging and evacuation.



SMAN460 With Micron Gauge

SMAN440

#### SMAN460, SMAN440

#### Measures:

- 2 Pressures
- 2 Temperatures
- Vacuum in Microns (SMAN460)

#### **Calculates:**

- Superheat
- Subcooling
- Target Superheat
- Vapor Saturation
- Liquid Saturation
- Works with Job Link® System
- Wireless for Real-time Measurements
- 3/8" Vacuum Port for Faster Evacuations
- Expanded Temperature Tolerance to go from Freezers to Rooftops
- Large Screen with All Measurements in Clear Sight
- 45 Built in Refrigerants with Easy Future Refrigerant Updates via Mini USB Connection

#### Included:

- 4-Port Digital Manifold
- Two Type K Pipe Clamp Thermocouples TC24
- Padded Drawstring Cover ANC10
- Built in Micron Gauge (SMAN460)



**Digital Manifolds Tools HVACR Pros Trust | 14** 



#### **3-Port Digital Manifolds SMAN340, SMAN360**

#### More Features, More Answers.

HVACR professionals need a refrigerant manifold on nearly every job. Digital manifolds make these jobs faster, easier, and more precise. Check, evacuate, and charge systems fast with the new SMAN300 Series. The rugged new screen shows everything you need all at once: 2 Pressures, 2 Temps and 5 calculations.

View your calculated target superheat while monitoring, how your charge is affecting actual and superheat and subcooling.

- Expanded temperature tolerance to go from freezers to rooftops
- Large ccreen with all measurements in Clear Sight
- 45 Built in mefrigerants with easy future refrigerant updates via mini USB connection

#### Measures:

- 2 Pressures
- 2 Temperatures
- Vacuum in Microns (SMAN360)

#### **Calculates:**

- Superheat
- Subcooling
- Target Superheat
- Vapor Saturation
- Liquid Saturation



SMAN340

#### Included:

- SMAN340
- 3-Port Digital Manifold
- Padded Drawstring Case – ANC10
- Two Type K Pipe Clamp Thermocouples – TC24



SMAN360 With Micron Gauge

#### Included:

- SMAN360
- 3-Port Digital Manifold
- Padded Drawstring Case – ANC10
- Two Type K Pipe Clamp Thermocouples – TC24
- Built in Micron Gauge (SMAN360)





#### Job Link® System Probes JL3PC, JL3PR, JL3RH

#### Easy, long range, powerful

Take a full system snapshot quickly and easily with Job Link Probes. Each tool is designed for agility and speed. The pressure probe fits into tight spaces. The pipe clamp uses a new rapid rail thermocouple design delivering accuracy, speed, and agility, even on the most awkward pipe configurations. The psychrometer's flexible narrow probe and configurable magnet make it easy to measure supply plenums, ducts, or elevated registers. All probes are expandable for multi-circuit systems. Do more with Job Link!

- 250' Range
- iOS® and Android™
- Water Resistant
- Email Reports
- Instant and Accurate Pipe Temps
- High/Low Side Switch and Indicator
- Connect Directly to Mobile Device
- Ouick-Access Protective Case

Phone not included



JL3KR4



JL3KH6









Phone not included

#### Job Link® System Mobile App

Access a variety of Fieldpiece tools through the most advanced wireless system on the market today. Visit fieldpiecejoblink. com to sign up today!

#### **Job Link Free**

Diagnose the system correctly quickly and easily the first time to prevent call backs.

- Live Measurements
- Advanced Calculations
- System Diagnostics
- Email Your Measurements

#### **Job Link Pro**

\$12/mo Save \$24 with yearly subscription

- Live Measurements
- Advanced Calculations
- System Diagnostics
- System Reports (Email & Print)
- Cloud Storage
- Add New Jobs

- Inspection Checklists
- Photos and Notes
- Customer and Equipment History
- Build Teams\*
- Live Look-in\*

#### **Job Link Invoicing**

\$ 29/mo Save \$48 with yearly subscription

- Live Measurements
- Advanced Calculations
- System Diagnostics
- System Reports (Email & Print)
- Cloud Storage
- Add New Jobs
- Inspection Checklists
- Photos and Notes

- Customer and Equipment History
- Build Teams\*
- Live Look-in\*
- Professional Invoicing
- Customizable Parts and Equipment
- Customizable Hourly Rates
- QuickBooks Online Integration
- .csv Files for Accounting Integration\*\*







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Plus the extra wide base helps prevent tipping and spilling oil. Four in-line ports give you tidy hose routing for three different size hoses. Place the cord on the handle for tangle-free storage.

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Recovery



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- Carry it comfortably

#### **Smoother and Faster**

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- Variable smart speed motor maximizes performance
- Rubber feet and motor mounts reduce noise and vibrations
- 1 horsepower motor supplies speed and power
- Micro channel condenser cools faster, especially on hot days

#### Reliable

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- Ceramic cylinders resist abrasion
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- Operating voltage between 95 and 130VAC

#### **IN/OUT Port Upgrades**

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- Ports elevated from ground
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#### **Digital Display**

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- Status messages clarify operation
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#### **And More**

- Power cord stores on the handle
- Room to hook the handle for hoisting to the roof
- Self purge protects MR45 and our environment





### **Residential & Light Commercial Refrigerant Scale** SRS1

#### **Light Weight Refrigerant Scale.**

The SRS1 refrigerant scale is big enough to comfortably fit a canister, but compact and light weight enough to carry easily. It has the ruggedness needed for HVACR, with thick aluminum walls to maintain accuracy, and rubber feet and rubber pad to soften the impact of daily use.

Charge/Recover Weight Alarms

Light Weight and Easy to Carry

Max Weight 110 lbs (50 kgs)

025 oz (001 kg) Resolution

 Non-slip Cushioned Design

 Full Numeric Keypad for Fast Operation

Strong Magnetic Back on Handle







### Wireless Refrigerant Scale SRS3

#### **Heavy Duty with Premium Performance.**

Not only is the wireless scale easy to use, it's so accurate it can sense weight as low as 0.25 oz. The remote display has a backlight and a strong magnetic hanger. The platform is made of solid aluminum with rubber corners to protect against the hazards of daily use. The scale is also available without remote for use with Job Link App, model number SRS3P.

- Connect To The Job Link® System Mobile App
- Solid aluminum construction
- Rubber grip pad to hold refrigerant tanks
- Hands-free testing with magnetic hat
- Flat Top Bumpers for Large Tanks
- Water Resistant IP55
- Measure Up To 252 lb (114 kg)
- View Units Your Way
   Pounds and Ounces, Pounds,
   Ounces, Kilograms and
   Grams, Kilograms, Grams
- 200 Hour Platform Battery Life

5

6.00

Remote stores safely in platform



#### Included:

- Refrigerant Platform
- Wireless Remote Display
- Nylon Case with Strap ANC9



#### Digital Micron Vacuum Gauge SVG3

Easy, Loaded, Rugged.

Easy to use and built tough to handle day-to-day use in the field.

- Rate indicator
- Schrader depressor
- 1 Micron resolution
- 0 9999 Micron range
- Alarms and stopwatch



# Superheat and Subcooling SSX34

Easy Charging with Built in P-T Charts.

Measures suction or liquid line pressure and temperature. Automatically calculates and displays real-time superheat or subcooling.

- Charge to superheat and subcooling
- Push button atmospheric pressure calibration
- R-134A, R-404A, R-410A, R-22
- Hands free operation with magnetic hanger
- Displays in °F and °C

#### Included:

• Thermocouple Pipe Clamp - TC24

#### Digital Vacuum Micron Gauge Accessory Head AVG2

Displays vacuum pressure with resolution of 1 micron.

- Range: 50 to 2000 microns of mercury
- Resolution: 1 micron of mercury
- Accuracy (@~75°F): ±10%, 0-1000 microns of mercury
- Fitting: 1/4" flared brass fitting (male)
- "T" included for vacuum testing
- LEDs indicate increasing, decreasing, and stable vacuum



#### Superheat and Subcooling Accessory Head ASX14

Measures suction line or liquid line pressure and line temperature to calculate and display superheat and subcooling for A/C.

- R-22 or R-410A
- Displays in °F or °C
- Displays pressure in PSI or kPa
- LED indicates stable reading
- Push-button atmospheric pressure calibration

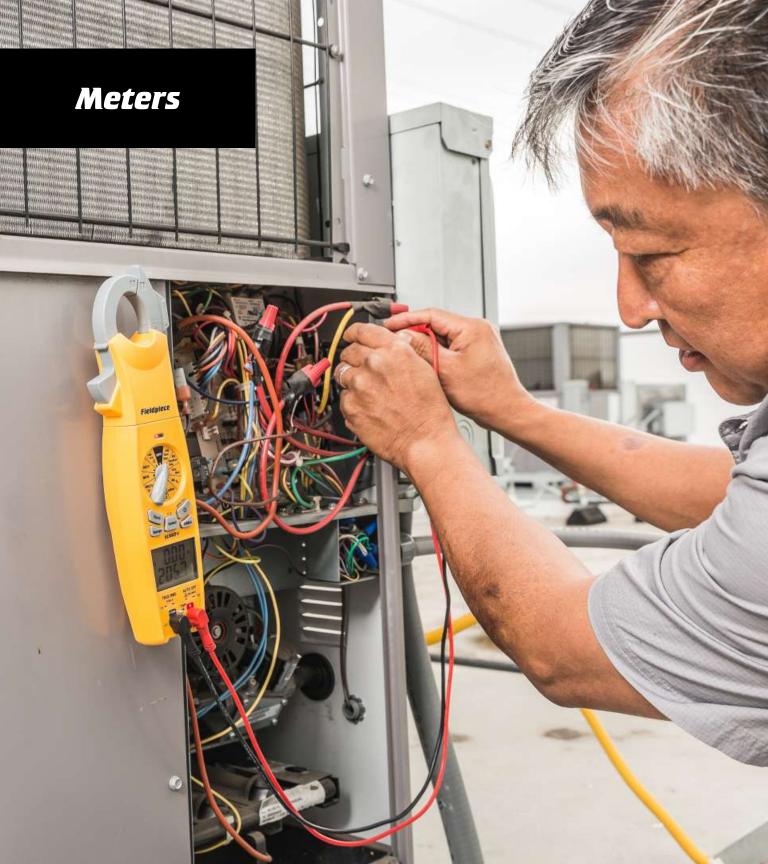


#### Charging Jacket for TXV Systems \$365

Charge A/C Systems Year Round.

- Charge TXV systems when outdoor temperature is 37°F to 70°F
- Pressures stabilize quickly during setup
- Service maintenance contracts before and after the summer heat





### **Loaded Clamp Meters** SC620, SC640, SC660

#### Top-of-the-Line Meters Have it All.

Packed with more features and measurements than any clamp meter in the HVACR industry, the loaded SC600 series features lead storage, a swivel head, test lead holder for safer testing, and a heavy duty magnetic strap.

- Top-of-the-Line Meter
- Swivel-Head Clamp
- Magnetic Strap
- Lead Storage
- Dual Display
- Clamp Test-Lead Holder
- Frequency via Leads & Clamps
- Dial Backlight (SC640 & 660)
- Jaw Flashlight (SC640 & 660)
- LCD Backlight (SC640 & 660)
- Phase Rotation (SC660)
- Dual Temperature Delta T (SC660)
- Job Link Compatible (SC660)

#### Included

- Wrap Tab Type K
   Thermocouple ATB1
- Deluxe Silicone Lead Set with Gold Plated Tips and Removable Sheath - ADLS2
- Short Alligator Lead Extensions - ASA2
- Padded Case ANC7
- 9V Battery
- Velcro Strap









SC620	SC640	SC660	Function
•	•	•	Volts AC/DC
		•	Job Link® System
		•	Dual Temp Delta T
		•	Phase Rotation
	•	•	True RMS
	•	•	Inrush
•	•	•	Swivel Clamp
•	•	•	Magnetic Strap
•	•	•	Probe Storage
•	•	•	Dual Display
•	•	•	Temperature °F/°C
•	•	•	Capacitance
•	•	•	Duty Cycle %
•	•	•	400 Amps AC
•	•	•	Microamps DC
•	•	•	Frequency via Leads/Clamp
•	•	•	Non Contact Voltage
•	•	•	50 Mega Ohm with 0.1 Resolution
•	•	•	Continuity
•	•	•	Diode Test
•	•	•	Hold
•	•	•	Clamp Probe Holder
	•	•	Dial Backlight
	•	•	Clamp Jaw Light
	•	•	LCD Backlight
•	•	•	Low Battery Indicator
	•		Battery: 9V, 100 hrs
	•	•	Battery: 9V, 200 hrs
•	•	•	Compliance with UL

3rd Edition







### **Essential Clamp Meters** SC420, SC440, SC460

#### Feature Rich for HVACR Pros.

The mid-sized SC400 meters are essential for all types of electrical HVACR testing. The dual display makes it easy to view both voltage and amperage readings at the same time. The non-contact voltage indicator and the probe holder make electrical testing safer.

Fieldpiece

SC460

- Packed Meter, Afordable Price
- Dual Display
- Clamp Test-Lead Holder
- True RMS (SC440 & 460)
- Inrush (SC440 & 460)
- Magnetic Strap (SC440 & 460)
- Phase Rotation (SC460)
- Wireless Measurements
- Job Link Compatible (SC460)



#### Included

- Wrap Tab Type K Thermocouple ATB1
- Deluxe Silicone Lead Set with
- Gold Plated Tips and Removable Sheath - ADLS2
- Short Alligator
- Lead Extensions (SC440)
- Padded Case ANCI2
- 9V Battery
- Velcro Strap



SC420	SC440	SC460	Function
•	•	•	Volts AC/DC
		•	Job Link® System
		•	Phase Rotation
	•	•	True RMS
	•	•	Inrush
•	•		Duty Cycle %
•	•	•	400 Amps AC
	•	•	Magnetic Strap
•	•	•	Dual Display
•	•	•	Temperature °F/°C
•	•	•	Capacitance
•	•	•	Microamps DC
•	•	•	Frequency via Leads/Clamp
•	•	•	Non Contact Voltage
•	•	•	50 Mega Ohm with 0.1 Resolution
•	•	•	Continuity
•	•	•	Diode Test
•	•	•	Hold
•	•	•	Clamp Probe Holder
	•	•	Clamp Jaw Light
	•	•	LCD Backlight
•	•	•	Low Battery Indicator
	•	•	Battery: 9V, 100 hrs
•			Battery: 9V, 200 hrs
•	•	•	Compliance with UL 3rd Edition



fieldpiece.com

#### **Compact Clamp Meters** SC220, SC240, SC2<u>6</u>0

#### **Ultimate in Convenience and Affordability.**

The SC200 Compact Clamp Meters combine a lot of big meter functions into a compact, easy-to-use design, and are great for testing HVACR electrical measurements.

The SC200s help you save time with the new Auto Select mode. Simply set the dial and connect your leads, the clamp meter will automatically select the appropriate measurement depending on what it detects.

The high temperature resistance allows you to move from a cold freezer to a hot rooftop and get accurate temperature measurements that lesser thermometers cannot measure properly.

- Volts AC/DC
- 400 Amps AC
- Microamps DC (SC220)
- Temperature F/C (SC240/SC260)
- Capacitance (SC240/SC260)
- Non-contact voltage
- 40 Mega Ohm with 0.01 resolution
- Continuity
- Diode Test
- Max/Min/Hold
- LCD Backlight (SC260)
- True RMS (SC260)
- Low Battery Indicator
- Sturdy Magnet (SC260)













#### Included

- Wrap Tab Type K
- Thermocouple ATB1 (SC240, SC260)
- Deluxe Silicone Lead Set with Gold Plated Tips and Removable Sheath - ADLS2
- Padded Case ANC4
- 9V Battery
- Velcro Strap (SC240, SC260)



SC220	SC240	SC260	Function
•	•	•	Volts AC/DC
		•	True RMS
•	•	•	400 Amps AC
		•	Magnetic Hanger
	•	•	Temperature °F/°C
	•	•	Capacitance
•			Microamps DC
•	•	•	Non Contact Voltage
•	•	•	40 Mega Ohm with 0.1 Resolution
•	•	•	Continuity
•	•	•	Diode Test
	•	•	Max/Min
•	•	•	Hold
		•	LCD Backlight
•	•	•	Low Battery Indicator
		•	Battery: 9V, 150 hrs
•	•		Battery: 9V, 200 hrs
•	•	•	Compliance with UL 3rd Edition

### **Expandable Stick Meters**



HS33, HS35, HS36

### The Perfect Fit for Most HVACR Jobs.

The HS30 Series meters are some of the most versatile HVACR meters around. Already packed with the measurements HVACR pros need, they also connect directly into Fieldpiece Accessory Heads, so techs don't need extra meters for additional measurements.

- Ruggedized rubber corners
- Magnetic strap for hands-free testing
- High voltage indicators
- Lead storage
- Non-contact voltage
- Capacitance
- MIN/MAX and Hold buttons to record measurements
- Low ohms for motor windings
- Fast, accurate temps



HS33

HS35

#### Included

- 400A AC Amp Clamp Accessory ACH4
- Type K Thermocouple ATB1
- Deluxe Silicone Test Leads ADLS2
- Alligator Clip Lead Extensions ASA2
- 4-Pocket Meter Case ANC1



HS33	HS35	HS36	Function	Danus	Decelution
				Range	Resolution
Manual	Auto	Auto	Ranging		
2000	4000	4000	Counts		
Average	Average	True RMS	AC Conversion		
		•	Backlight		
	•	•	Bar Graph		
	•	•	VAC	200m	1.2% + 5/0.1m
	•	•		2000m	1.5% + 5/1m
	•	•		40	1.5% + 5/0.01
•	•	•		200	1.5% + 5/0.1m
•	•	•		600	2% + 5/1
•	•	•	VDC	200m	0.5% + 2/0.1 m
•				2000m	0.5% + 2/1m
				20	0.5% + 2/0.01
•	•	•		200	0.5% + 2/0.1
	•	•		600	0.5% + 2/1
•	•	•	AAC	20	2.7% + 7/0.1
•	•	•		100	3.7% + 8/0.1
•	•	•		400	5.0% + 10/1
	•	•	ADC	400μ	$1\% + 2/0.1 \mu$
	•	•		4000μ	1% + 2/1 μ
•	•		°F	200° F	1° F/0.1
	•	•		1000° F	1° F/1
•	•	•	MFD	200	3% + 5/0.1m
	•	•	Hi•V Indicator		>30V
	•	•	NCV		>24VAC
•	•	•	Ohms	200	1% + 4/0/1
	•	•		4K	1% + 4/1
	•	•		40K	1% + 4/10
•	•	•		200K	1% + 4/100
	•	•		4M	1.5% + 4/1K
	•	•		20M	3% + 5/10K
	•	•	Continuity		
•			Diode		
	•	•	HZ		

With ACH4 clamp head ,
 LED and beeper ,
 Range is 40XX, not 20XX
 Temperature accuracies shown are after simple field calibration

#### **Digital Multimeters** LT17A

#### The Biggest Bang for Your Buck.

The LT series cover most parameters and ranges technicians need for HVACR applications. And to further expand testing capabilities, the leads connect directly to any Fieldpiece accessory head.



- Continuity indicator
- Type K thermocouple
- Bright, blue backlight
- Low ohm ranges
- Both mA and μA for testing flame rectifier diodes
- MIN/MAX function
- Probe storage
- Magnetic hanger and tilt stand

#### Included

- Deluxe Silicone Test Leads ADLS2
- Short Alligator Lead Extensions ASA2
- 400A Amp Clamp Accessory ACH4
- Type K Thermocouple ATB1
- Nylon Case ANC5





#### **Dual Alligator Clips** ADA2

 Red and black vinyl insulated cables with small alligator clips on the ends. Each shorting cable is 3.5 feet long



#### **Current Clamp Head** ACH4

- Measures AC Amps from 1A to 400A
- Accuracy:  $1A-20A AC: \pm (1.5\% rdg + 0.2A)$  $20A-100A AC: \pm(2.5\% rdg + 0.3A)$  $100A-400A AC: \pm(3.5\% rdg + 0.5A)$
- .91" (23mm) maximum conductor diameter



#### **Electronic Handle for Accessory Heads** EHDL1

Converts any Fieldpiece Accessory Head into a standalone instrument.

- MIN/MAX button
- Use with any Fieldpiece Accessory Head
- Hold button



#### Silicone Test Leads ASLS2

- High copper strands, silicone insulated test leads
- Basket style strain relief



### Deluxe Silicone Test Leads

Same as the ASLS2 with the addition of removable probe tips for connection to accessory heads



### **Deluxe Test Lead Kit**

- Silicone test leads, removable probe tips and alligator clips for grounding
- Includes molex tips







## **Dual Temperature Thermometer**ST4

#### **Heavy Duty Dual Temp.**

The ST4 measures two temperatures simultaneously. The ST4 provides superior temperature compensation in rapidly changing environments.

- 0.1°F resolution
- Easy field calibration
- Reads T1, T2, or T1-T2
- °F or °C
- Superior temperature compensation

#### Included

- Case with Hanger
- 2 Type K Thermocouples ATB1
- 2 Velcro Straps

#### Dual In-duct Psychrometer SDP2

### Do More with One Tool.

Measure both sides of the evaporator in real-time.

- Measure supply wet bulb and temp and return wet bulb and temp all at ONE TIME
- Calculates temp split and TEET
- Monitors enthalpy (BTU) change across evaporator
- Sends values wirelessly to system analyzers
- Works with Job Link® System





### **Diagnostic Psychrometer** SRH3

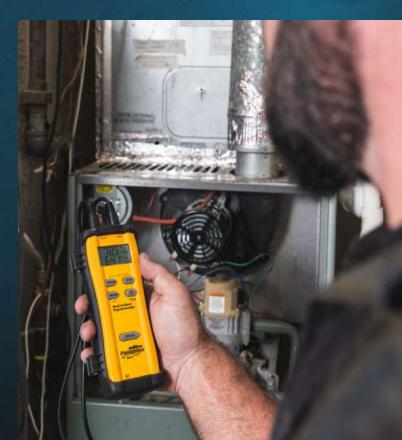
#### **Easier Target Superheat.**

The SRH3 is a great tool to properly charge fixed restrictor systems by quickly determining the target superheat and target evaporator exit temperature.

- Measures temps and %RH
- Calculates wet bulb and dew point
- Quickly provides target superheat for charging
- Helps determine proper air flow with target evaporator exit temperature

#### Included

- Stabilizing Cone RCONE1
- Padded Blow-molded Case





#### Hot-wire Anemometer and Psychrometer Accessory Head

The AAT3 In Duct Hot-wire Anemometer and Psychrometer gets into ducts easily for measurement of temperatures, %RH, and air velocity.

- Measures temps, %RH, and air velocity
- Calculates wet bulb and dew point temps
- Great partner to the HVAC Guide® System Analyzer for full system diagnosis

#### Included

• Stabilizing Cone - RCONE1



### Rod and IR Temperatures **SPK3**

#### **Convenient 2-Way Temp.**

Easy to use compact tool for quick in-duct, register, and ambient temperatures.

- 8:1 IR
- Hands free in-duct temps
- Ouick T1-T2 calculations
- Max/min/hold

#### Dual Temperature Accessory Head ATH4

Measures two temperatures simultaneously to output T1, T2, or T1-T2

- ±1°F accuracy
- Select °F or °C
- Range: -50°F to 1800°F
- Superior temp compensation



#### Psychrometer Accessory Head ARH5

The ARH5 measures and calculates from inside the duct for more measurements.

- Measures temps and %RH
- Calculates wet bulb dew point
- Fast, accurate results target superheat and evaporator exit temperature

#### Included

Stabilizing Cone - RCONE1



#### Gun Style IR Thermometer with Laser SIG1

The SIG1 takes accurate surface temperatures. The narrow 10:1 field of view allows techs to target smaller areas.

- 10:1 field of view
- Select °F or °C
- Range: -22°F to 1022°F

### IR Thermometer with Laser SIR2

Ergonomic pocket IR with laser.

- 6:1 field of view
- MIN/MAX automatic data hold
- Select °F or °C



### IR Pocket Thermometer with LED Flashlight SIL2

Great accuracy and a built-in LED flashlight.

- 1:1 field of view
- Automatic data hold
- Select °F or °C





## Digital Pocket Psychrometer PRH2

Everyday measurements at your fingertips.

- Wet bulb, dry bulb, dew point, %RH
- Quick walk-around measurements
- Easy in duct readings
- Helps calculate target superheat





Model	Description	MAX° F PROBE TEMP
ATBI	Bead type standard	400
ATAI	Bead type with alligator	400
ATAFI	HI-temp bead type with alligator	900
ATWBI	Wet bulb (sock) with alligator	200
ATCIR	Pipe clamp-refrig. (1/8-to 3/4")	257
TC24	Fast Reacting Pipe clamp-Temp. (3/8-to 1 3/8")	257
ATC2	Pipe clamp (up to 2 1/4")	180
ATEXT10	10' extension cables	400
ATRI	4.5∙ piercing rod with handle	1500







#### Infrared Refrigerant Leak Detector SRL2K7

# Superior Sensitivity in Refrigerant Leak Detection.

This infrared leak detector helps you find leaks with pinpoint accuracy. It automatically adjusts to high ambient refrigerant levels, and by using the required sweeping technique, techs can quickly and easily uncover the exact location of the leak.

- Equal sensitivity to all refrigerants
- Pinpoint accuracy
- Sensor sensitivity doesn't weaken over time
- Rechargeable eight hour lithium ion battery
- Turbo mode to pick up very low level leaks

#### Heated Diode Refrigerant Leak Detector SRL8

### The Traditional Heated Diode Detector.

The SRL8 is a rugged and accurate leak detector that senses all CFCs, HFCs, HCFCs, and blends.

- Sensitivity below 0.1 oz/yr
- 15-hour rechargeable lithium battery
- Manual or automatic zeroing
- Magnetic hanger
- Three sensitivity levels





#### Included

- 5 O-rings and 10 Replacement
- Filters RFL2
- 9" Flex Extension Probe RFE2
- 9" Rigid Extension Probe RRE2
- Case ABMK3
- Wall Charger RWA2
- Car Charger RCA2

#### Included

- 5 O-rings and 10 Replacement
- Filters RFL2
- 9" Flex Extension Probe RFE2
- 9" Rigid Extension Probe RRE2
- Case ABMK3
- Wall Charger RWA2
- Car Charger RCA2





#### Carbon Dioxide Leak Detector SCI2

#### Quickly Close in on CO2 Leaks

Find leaks on commercial refrigeration systems, restaurant soda machines, or any other system using R-744. Pinpoint tiny leaks in high concentration CO2 environments with ease.

- Find R-744 refrigerant leaks
- Long-life sensor made to last up to ten years
- Three sensitivity levels down to 6g (0.2oz) per year
- Senses change. Works in contaminated environments
- Rechargeable lithium ion battery with two chargers





### **CFM Without a Hood** STA2

The STA2 In Duct Hot-wire Anemometer calculates CFM from air velocity and free area.

With in-duct traversing the STA2 is an excellent alternative to costly, bulky hoods for air balancing.

- Fast response time
- Dual display to show any combination of real-time CFM, air velocity, or temp
- Minimizes effects of turbulence with time or test point averages
- Fast, accurate temps
- Affordable air balancing

#### Included

Stabilizing Cone - RCONE1 Padded Blow-molded Case



The AAT3 is both an in duct anemometer and psychrometer for easy measurements of temperatures, %RH, and air velocity.

- Measures air velocity temperatures, and %RH
- Calculates CFM, wet bulb and dew point temperatures
- Great partner to the HVAC Guide® System Analyzer for full system diagnosis







#### Air Velocity and Temperature Accessory Head AAV3

- Air Velocity:
   Ft/min, meters/sec,
   MPH, KM/hr
   Range: 80 to 5900 ft min
   Accuracy: ±3%+1dgt
- Temperature:
   Displays °F and °C
   Range: -4°F to 140°F
   Accuracy: ±1°F from 32°F
   to 113°F Resolution: 0.5°F

### **Dual Port Manometer** SDMN5

Gas Pressure, Static Pressure AND Differential Pressure. Rugged standalone dual-port manometer that measures differential, absolute, and static pressure.

- Measures Inches WC, mm WC, mBar, and PSI
- Magnetic hanger
- Data HOLD
- Measures P1, P2, or P1-P2
- Easy to zero
- Battery check function

#### Included

- Two Adapters RMA316
- Two 3/16" Tubes with Brass Fittings

#### **Optional**

• Static Pressure Probes - ASP2



# **Dual Port Manometer** SDMN6 (See page 59-60)



#### **Dual-Port Manometer Accessory Head** ADMN2

Dual-port manometer that measures differential, absolute, and static pressure in mBar or inches of water column (inWC).

- Range from -60 to +60.0 inches WC
- Accuracy ± .02WC,
   ± (0.00in WC to 2.00in WC)
- Resolution down to 0.01 in WC for static pressure

#### Included

Dual Port Manometer

Fieldpiece

• Adapters – RMA316



#### Pressure Manometer Accessory Head AMN2

Measures gas pressure with resolution low enough for static pressure.

- Maximum ±60 inches WC for gas pressure
- Accuracy: ±2% FS
- 0.01 inches WC resolution for static pressure
- Manual zero-set for comparing pressures
- Auto power off

#### Included

Adapters – RMA316

#### **Optional**

- Static Pressure
- Probes ASP2







# Dual Port Manometer and Pressure Switch Tester SDMN6

#### Do More with the Pressures You Need.

Correct pressure switch operation is integral to the safety of a furnace environment. The SDMN6 is a dual-port manometer that also accurately tests pressure switches by simulating a draft with an internal pump.

The SDMN6 allows you to test pressure switches the right way. Adjust the pump's speed to create a negative pressure (vacuum). The red LED indicates when the switch closes. View the closing and opening pressures directly on the LCD.

The dual-port manometer measures  $\pm 60$  inches of water column, high enough for gas manifold pressures.

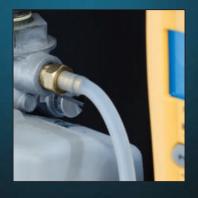
Check building pressurization with static pressure resolution of 0.01"WC. View P1-P2 in the bottom line of the display for checking the performance of a blower.

- Gas pressure
- Static pressure
- Pressure differential
- Test pressure switches
- Easily calibrate any adjustable pressure switch
- Great for diagnosing furnace performance



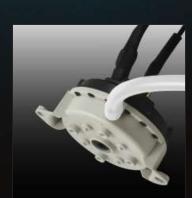
# Check the Pressure Differential Across a Blower

Use the included static pressure probes for easy, accurate, static pressure testing.



### Find Inlet and Outlet Gas Pressures

Screw the brass fittings directly into the gas regulator taps.



### **Test any Pressure Switch**

Easily calibrate any adjustable pressure switch.



#### **Carbon Monoxide Detector** SCM4

#### Finds CO Sources Fast.

The SCM4 has a very fast reaction time. This rugged instrument can help you hunt down sources of the potentially life-threatening poisonous gas.

- Fast enough for walk around testing
- Calibrates to ambient quickly with **ZERO** button
- Audio and visual alerts
- Magnetic hanger
- Bright, blue backlight on dual display
- Field replaceable sensor

### **Carbon Monoxide Accessory Head**

- Fast enough to locate CO source in walk-around testing
- Three-pin electrochemical sensor for better performance
- Range 0-1000 ppm (2000 ppm) with 5 minute max exposure time)
- Accuracy: 0-35 ppm ±5% reading, ±2 ppm after zeroing
- Field replaceable sensor



### **Combustion Check with Automatic Pump**

#### Fast and Easy Furnace Tuning.

The SOX3 is an affordable alternative to full-function combustion analyzers. It provides the essential readings needed to tune combustion equipment like measuring flue temp and %O2, and calculating %CO2, %Excess Air, and combustion efficiency.

- Calculates %CO2, %EA, and combustion efficiency
- Hands-free testing
  - Automatic pump
  - Magnetic hanger
  - Threaded barrel-lock cone
- Programmable for custom fuel types



- Thermocouple RSOX3
- Barrel-lock Cone RCONE2
- Foam Padded Hard Case

#### Oxygen and Carbon **Dioxide Accessory Head** AOX2

The AOX2 measures oxygen in the flue gas for combustion analysis, and also computes %CO2 and measures stack temperature.

- Displays %O2, %CO2, or temperature
- LED indicates stable reading



#### **Dual Port Manometer Accessory Head** ADMN2

The ADMN2 measures differential, absolute, and static pressure.

- Range from -60 to +60.0 inches WC
- Accuracy of ±1.5% FS

#### Included

Two Adapters – RMA316



#### Manometer **Accessory Head** AMN<sub>2</sub>

Measures gas pressure and has resolution low enough for static pressure.

- Maximum ± 60 inches
- WC (water column) for
- gas pressure
- Accuracy: ±2% FS
- Manual zero-set for
- comparing two pressures



### **Dual Port Manometer**

Rugged standalone dual-port manometer that measures differential, absolute, and static pressure.

Measures Inches WC, mm WC, mBar, and PSI

Measures P1, P2, or P1-P2

Easy to Zero

#### Included

- Two Adapters RMA316
- Two 3/16" Tubes with
- Brass Fittings









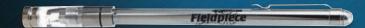
### **In Duct Psychrometer** PRH2

- Wet bulb, dry bulb, dew point, %RH
- Quick walk-around measurements
- Easy in duct readings
- Helps calculate target superheat

### Magnetic Parts Dish

Never lose a bolt or screw again.





### **Lighted Magnet Tool** PMG2

Perfect for picking up dropped screws, keys, even tools. LED shines through "donut-hole" magnet to direct light where you need it most.



### **Lighted Mirror Tool** PLM2

Mirror adjusts in any direction and makes viewing in tight places possible. LED reflects light from the mirror to shine where you need it. Detach the mirror to use as flashlight.





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### Gun Style IR Thermometer with Laser SIG1

The SIG1 makes taking surface temperatures easy, accurate and fast. The narrow 10:1 field of view allows you to target smaller areas from further away. The backlight allows you to read the measurements in any light.

- 10:1 field of view
- Select °F or °C
- Range: -22°F to 1022°F
- Accuracy: ±4°F or 2% rdg, whichever is greater
- Resolution: 1°F
- Automatic data hold
- Backlight
- Auto Power Off (APO) to Conserve Battery Life



#### Pocket Knife Style Stainless Steel Thermometer SPK1

- Detent holds rod in 16 positions
- Easily hangs from thermostat, register, or a hole in flex duct
- MIN/MAX and Hold

### In-duct Thermometer SPK2

- Quick and easy in-duct measurements
- Hanging hook for hands free temps
- Fits easily in pocket
- Bright backlight



SWT2 with cap off

19 75

#### Water Resistant Stainless Steel Thermometer SWT2

MIN/MAX



- Resolution 0.1°F
- Range: -58°F to 392°F

### Non-Contact Voltage Tester SNCV1

- Detects live AC voltage without contact
- Bright LED and loud beeper
- Range: 24VAC to 440VAC
- Senses 24VAC for thermostat power
- Analog feel indicates strong and weak
   AC voltage fields

### **Megohmmeter** SMG5

- Helps predict compressor failure
- Great for preventative maintenance
- One handed testing
- Long probe tip for hard to reach terminals
- Bright backlight

# IR Pocket Thermometer with LED Flashlight

The SIL2 has great accuracy and a built-in bright LED flashlight that uses a separate AAA battery. The SIL2 looks like a pen in your pocket.

- 1:1 field of view
- Automatic data hold
- Select °F or °C
- Range: -27°F to 230°F
- Excellent accuracy: ±1.5°F
- Resolution: 0.5°F
- Auto power off

### Thermometer with Laser SIR2

- Pocket IR with laser. narrow viewing angle
- 6:1 field of view
- MIN/MAX automatic data hold
- Select °F or °C
- Range: -27°F to 482°F
- Accuracy: ±4°F or 2% rdg, whichever is greater
- Resolution: 0.1°F
- Auto power off
- One-hand operation







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#### **HVACR Inspection Tool Bag**

The BG36 Inspection Tool Bag is an easy to carry, over the shoulder bag with an easy to open pop top. The pop top protects your tools from inclement weather, and from spilling out if dropped or knocked over. Plus it provides extra space for small tools and drill bits. While the strong magnetic tray holds cabinet screws and washers so they're never lost.

Sectioned interior pockets keep everything organized. Zippered side pocket and large interior adjustable section protect meters from hand tools. Large open front pocket and expandable side pocket allow for additional storage. Sturdy weather protected base keeps bag standing upright.

The BG36 is extremely durable with reinforced construction, ballistic grade nylon, and ripstop nylon. Plus it's comfortable to wear with a padded, breathable back panel and adjustable strap.

- Easy Access Pop Top
- Quick locking magnetic closure
- Isolated pockets for test instruments
- Compact Rugged Design
- Magnetic Tray
- Weather Protected Sturdy Base



#### **HVACR Service Tool Bag**

The BG44 Single Strap Bag System is specifically designed to fit the needs of the HVACR professional. A smaller and easier bag crafted for the initial call to test and assess a system.

Padded outside pockets keep instruments protected and away from hand tools. A strong and sturdy base keeps the bag upright and not directly on the ground.

The interior tool rack houses hand tools for easy access and quick visibility so missing tools don't get left behind. Special accessories include a magnetic tray, water bottle/ wasp spray strap, electrical tape strap, small plastic tray storage in bottom, and drill holster. All in a compact bag that fits snuggly to the body to fit in tight places like crawl spaces and ladder cages.

- Compact for tight crawl spaces and ladder cages
- Water resistant
- Elevated sturdy base
- Magnetic strip to keep screws in one place
- Padded outside pockets to protect meters
- Store small tablet in the padded slip pocket
- Plenty of D rings to connect accessories
- Tool organizer for hand tools

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