Fieldpiece®

European Catalogue

Test Tools HVACR Professionals Trust

Fieldpiece Overview

From the humble beginnings in the founder's garage in 1990, to the international powerhouse Fieldpiece is today, the mission at Fieldpiece has remained the same. To provide instruments that HVACR professionals can trust to help them do more. Everyday.

We do that by constantly listening to the pros in the field, and then creating tools that solve their problems. We ride along with, and help train, HVACR professionals all over the world. This allows Fieldpiece to continually improve products, and design innovative instruments HVACR professionals need to make their jobs easier, faster, safer and more complete.

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

- A/C Analysis
- Multimeters
- Charging
- Recovery
- Leak Detection
- Temp and Relative Humidity
- Air Flow
- Combustion
- Pocket Tools
- Tool Bags
- Job Link® System App

Now with European headquarters in The Netherlands, HVACR professionals have direct access to the exceptional sales, shipping, service, and warranty that Fieldpiece is known for.

Fieldpiece Instruments B.V.
Kingsfordweg 151
1043GR Amsterdam
The Netherlands
+31 20 369 0470 / europe@fieldpiece.com

C O N T E N T S

Inspect, Connect, Report

The Job Link® System mobile app* is a powerful tool HVACR professionals use to run their entire job through. View live measurements, calculations and diagnostics, and email and store reports for future reference.

Do even more with Job Link subscription plans with Cloud access. Create in-depth reports and great looking invoices. Save system measurements and customer details. Fill out inspection checklists. Take photos and notes for each system. All stored in the cloud so you can access your data while on the go.

Professional Reports
Wow your customers with in-depth reports. Customise to your company's look.

Live Measurements
Get live measurements from multiple places at once. Make adjustments with real-time, dynamic data.

Helpful Diagnostics
Minimise call backs by diagnosing a system correctly the first time. Impress your customers with easy to understand air flow and charge diagnostics.

Invoicing and Accounting Integration
Create and send professional invoices with job details. Easily export CSV files for compatibility with accounting programs, or transmit directly to QuickBooks.

Photos and Notes
Keep helpful notes and attach photos to record state of equipment and keep for future reference.
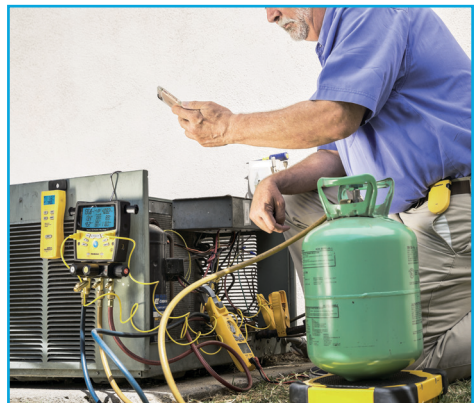
Inspection Checklists
Highlight maintenance and sales opportunities. Verify job completion with your customers.

Build Teams
Create and assign your technicians to teams. Easily access all job and customer history from your team. Quickly search job and customer data.

Live Look-in
See the same measurements your technician is seeing in the field to easily help diagnose problems and reduce call backs!

* Job Link System app currently in English only.

The Job Link® System streamlines your business and customer communication.

Job Link

Gen 2

Gen 1

Job Link® System Compatible Tools

- SMAN 4-Port Digital Manifolds*
- SRS3 Refrigerant Scale
- SDP2 Dual In-duct Psychrometer*
- SC460 and SC660 Clamp Meters*
- Job Link® System Temperature, Pressure, and Psychrometer Probes

  *Requires JL2 Wireless Transmitter

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.

Job Link™

- 106 Meters wireless range
- iOS® and Android™
- Water Resistant
- Email Reports
- Instant and Accurate Pipe Temps
- High/Low Side Switch and Indicator
- Quick-Access Protective Case
- Connect Directly to Mobile Device

Phone not included

JL3PC - Pipe Clamp Specifications

Battery Type	2 x AAA
Battery Life	150 hours typical alkaline. LED blinks red when battery replacement is needed.
Wireless Range	106 meters line of sight. Distance decreases through obstructions.
Operating Environment	0°C to 50°C at <75% RH
Water Resistant	Designed to IP55
Pipe Surface Compatibility	Electrically conductive
Pipe Size Compatibility	6.4mm to 34.9mm OD
Sensor Type	Rapid Rail™ Sensor thermocouple (nickel chromium / nickel aluminum)
Measurement Range	-46°C to 125°C
Stabilization Time	3 seconds typical
Accuracy	±0.6°C

JL3PR - Pressure Specifications

Battery Type	2 x AAA
Battery Life	150 hours typical alkaline. LED blinks red when battery replacement is needed.
Water Resistant	Designed to IP55
Wireless Range	106 meters line of sight. Distance decreases through obstructions.

JL3RH - Psychrometer Specifications

Battery Type	2 x AAA
Battery Life	150 hours typical alkaline. LED blinks red when battery replacement is needed.
Wireless Range	106 meters line of sight. Distance decreases through obstructions.
Flexible Probe	9mm diameter; 235mm length
Measurement Range	-20°C to 60°C
Accuracy	±(0.5°C) 0°C to 45°C, ±(1°C) -20°C to 0°C, 45°C to 60°C

Job Link Charge and Air Kit - JL3KH6

2 Temperature Pipe Clamps

2 Pressure Probes

2 Psychrometer Probes

1 Padded protective case

Job Link Charge Test Kit - JL3KR4

2 Temperature Pipe Clamps

2 Pressure Probes

1 Padded protective case

4-Port Wireless Manifold
SMAN460

The Wireless Manifold for HVACR.

The SMAN460 Digital Manifold is more rugged than ever. Based on years of technician feedback, they are not only tough, but they show everything you need all at once.

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.

Do More with the Wireless Avantage

- Measures:
  - 2 Pressures
  - 2 Temperatures
  - Vacuum in Microns
- Calculates:
  - Superheat
  - Subcooling
  - Target Superheat
  - Vapor Saturation
  - Liquid Saturation

- 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

Specifications:

Refrigerants	45 sorted by popularity
Wireless Range	30.5 Meters
Batteries	1.5V AA x 6
Battery Life	350 hrs typical alkaline (no backlight or micron gauge
Connector Type	3x Standard 1/4" NPT male flare fitting*
	1x Standard 3/8" NPT male flare fitting*

Measurement:	Range:	Best Accuracy/: Best Resolution
Pressure	0 to 580Psig	±1Psig/0.1
Vacuum	29"HgV to 0"HgV	±0.2"HgV/0.1
Microns	0 to 9999	±(5%rdg + 5)/1
Temperature	-70°C to 537.7°C	±.5°C*

System accuracy (SMAN460 + K Type thermocouple after field calibration on SLT or LLT)

Job Link® System app currently available in English. Wireless transmitter, model number JL2, also needed for Job Link® System app when using the SMAN460.

3-Port Digital Manifold
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. The rugged new screen shows everything you need all at once.

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

The Right Stuff

*   Measures:
    *   2 Pressures
    *   2 Temperatures
    *   Vacuum in Microns

*   Calculates:
    *   Superheat
    *   Subcooling
    *   Target Superheat
    *   Vapor Saturation
    *   Liquid Saturation

*   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

Specifications:

Refrigerants	45 sorted by popularity
Batteries	1.5V AA x 6
Battery Life	350 hrs typical alkaline (no backlight or micron gauge
Connector Type	3x Standard 1/4 NPT male flare fitting*

Measurement:	Range:	Best Accuracy/: Best Resolution
Pressure	0 to 580Psig	±1Psig/0.1
Vacuum	29"HgV to 0"HgV	±0.2"HgV/0.1
Microns	0 to 9999	±(5%rdg + 5)/1
Temperature	-70°C to 537.7°C	±.5°C*

* System accuracy (SMAN360 + K Type thermocouple after field calibration on SLT or LLT)

Infrared Refrigerant Leak Detector

SRL2K7

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

Included

5 O-rings and 10 Replacement Filters – RFL2

23cm Flex Extension Probe – RFE2

23cm Rigid Extension Probe – RRE2

Case – ABMK3

Wall Charger – RWA2

Car Charger – RCA2

Specifications:

Gases Measured	CFC, HFC, HCFC and blends
Sensing Element	Infrared
Response Time	Less than 1/2 second to 1 second
Sensitivity Levels	HIGH 2.8g/year and higher
	MED 14g/year and higher
	LOW 28.3g/year and higher
Accuracy	Meets current SAE standards
Calibration	Automatic
Warm Up	30 seconds
Probe Length	12.7cm (61cm with included 23cm extension probes.)
Battery Chargers	Wall charger and vehicle charger included
Battery	3.7VDC (nominal) rechargeable lithium ion battery
Battery Life	Approx. 8 hours if fully charged

Heated Diode Refrigerant Leak Detector

SRL8

The Traditional Heated Diode Detector.

The SRL8 is a rugged and accurate traditional leak detector that senses all CFCs, HFCs, HCFCs, and blends. This field tested detector is at the top of its class, and easily finds leaks by increasing the magnitude of indication the higher the concentration of refrigerant.

- Sensitivity below 2.8g/yr
- 15-hour rechargeable lithium battery
- Auto power off
- Manual or automatic zeroing
- Magnetic hanger
- Three sensitivity levels

Included

5 O-rings and 10 Replacement Filters – RFL2

23cm Flex Extension Probe – RFE2

23cm Rigid Extension Probe – RRE2

Case – ABMK3

Wall Charger – RWA2

Car Charger – RCA2

Specifications:

Gases Measured	CFC, HFC, HCFC and blends
Sensing Element	Heated
Compliance	CE, EN 14624
Response Time	Less than 1/2 second to 1 second
Sensitivity Levels	HIGH Better than 2.8g/year
	MED 17g/year
	LOW 187g/year
Calibration	Automatic or manual zeroing
Warm Up Time	30 seconds
Probe Length	12.7cm (23cm extensions included)
Battery Chargers	Wall charger and vehicle charger included
Battery Type	3.7VDC (nominal) rechargeable lithium ion battery
Battery Life	Approx. 15 hours if fully charged

Carbon Dioxide Leak Detector
SCL2

The SCL2 Carbon Dioxide Leak Detector is a portable CO2 (R-744) instrument with a superior combination of sensitivity, speed, sensor life, battery life, and ease of use.

Easily find leaks on commercial refrigeration systems, soda machines, or any other system using R-744. Pinpoint tiny leaks in high concentration CO2 environments. The SCL2 Carbon Dioxide Leak Detector finds leaks as small as 6 grams per year. It also has three sensitivity settings to keep false triggering to a minimum.

Gas is pumped through the tip of the wand into the sensor within the SCL2 body. The sensor detects changes in concentration, not absolute concentration, allowing the SLC2 to differentiate CO2 concentrations higher than concentrations normally found in the ambient air.

The SCL2 Carbon Dioxide Leak Detector comes with a wall and car charger for its ultra compact lithium ion battery which last for a full eight hours.

- Find R-744 refrigerant leaks
- Long-life sensor made to last up to ten years
- Three sensitivity levels down to 6g per year
- Senses change to work in contaminated environments
- Rechargeable lithium ion battery

Specifications:

Gases Measured	CO2 (Carbon Dioxide)
Sensing Element	Infrared
Response Time	Less than 1/2 second to 1 second
Sensitivity Levels	HIGH 6g / year and higher
	MED 14g / year and higher
	LOW 28g / year and higher
Accuracy	Meets current SAE standards
Calibration	Automatic
Warm Up Time	30 seconds
Probe Length	380 mm
Extension Lengths	230 mm x 2 (needle, flex)

Digital Multimeter
LT16A

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
• 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
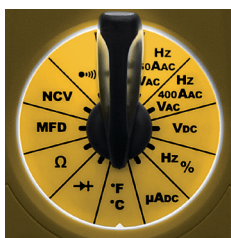
Nylon Case – ANC5

Specifications:

Function	Range	Best Accuracy/ Best Resolution
VAC True RMS	200m, 2000m, 20V, 200V, 600V	1.5%rdg ± 5dgt/0.1m
VDC	200m, 2000m, 20V, 200V, 600V	0.5%rdg ± 1dgt/0.1m
MFD	200, 2k, 20k	4.0%rdg ± 10dgt/0.1
AAC True RMS	200µ, 20m, 200m, 2A	1.5%rdg ± 5dgt/0.1µ
AAC True RMS (using clamp)	400	3.5%rdg ± 6dgt/0.1
ADC	200µ, 20m, 200m, 2A	1.0%rdg ± 1dgt/0.1µ
Hz	10 to 40k	0.1%rdg ± 3dgt/1
Ohms	200, 2K, 200K, 20M, 2000M	1%rdg ± 4dgt/0.1
Continuity	<100ohms	Beep

HVACR Clamps Techs Trust

SC600 Series

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)
- Smart Phone Compatible with Job Link App (SC660) JL2 Transmitter Required

SC620   SC640   SC660

Dial Backlight Lights up Selector Switch for Poorly Lit Places (SC640/660)

Convenient Lead Storage

SC620 Specifications:

Function:	Range:	Best Accuracy/: Best Resolution
Volts AC	600	1.2%±8 / 0.0001
Amps AC	400	2.0%±10 / 0.01
Volts DC	600	0.5%±2 / 0.0001
µAmps DC	500	1.0%±2 / 0.1
Ohms	50M	1.0%±5 / 0.1
Microfarads	5000	3%±5 / 0.001
Hz (clamp)	10 to 400	0.1%±5 / 0.1
Hz (leads)	10 to 1M	0.1%±5 / 0.1
Duty Cycle %	5 to 95	2%±10 / 0.1
±.5°C	-34°C to 500°C	±.5°C* / 0.1
Battery	9V, 200 hrs Typical Alkaline	

System accuracy (SC620 meter + K Type thermocouple after field calibration)

SC640 Specifications:

Measurement:	Range:	Best Accuracy/: Best Resolution
Volts AC	600	1.2%±8 / 0.0001
Amps AC	400	2.0%±10 / 0.01
Volts DC	600	0.5%±2 / 0.0001
µAmps DC	500	1.0%±2 / 0.1
Ohms	50M	1.0%±5 / 0.1
Microfarads	5000	3%±5 / 0.001
Hz (clamp)	10 to 400	0.1%±5 / 0.1
Hz (leads)	10 to 1M	0.1%±5 / 0.1
Duty Cycle %	5 to 95	2%±10 / 0.1
±.5°C	-34°C to 500°C	±.5°C* / 0.1
Battery	9V, 100 hrs Typical Alkaline	

System accuracy (SC640 meter + K Type thermocouple after field calibration)

SC660 Specifications

Measurement:	Range:	Best Accuracy/: Best Resolution
Wireless	.35m to 30m	
Volts AC	600	1.2%±10 / 0.0001
Amps AC	400	2.0%±10 / 0.01
Volts DC	600	0.5%±5 / 0.0001
Amps DC	400	2.0%±10 / 0.01
µAmps DC	1000	1.0%±5 / 0.1
Ohms	50M	1.0%±5 / 0.01
Microfarads	10000	3%±5 / 0.00001
Hz (clamp)	10 to 400	0.1%±5 / 0.1
Hz (leads)	10 to 1M	0.1%±5 / 0.01
Duty Cycle %	5 to 95	2%±10 / 0.1
±.5°C	-50C to 1300°C	±.5°C * / 0.1
Phase Rot.	80±5 to 600VAC	1.5%±10 / 0.1
Battery	9V, 100 hrs typical alkaline (no backlight or wireless)	

System accuracy (SC660 meter + K Type thermocouple after field calibration)

SC600 Series

Loaded Clamp Meter Line

	SC620	SC640	SC660
True RMS		•	•
Smart Phone Compatible With Job Link App			•
Dual Temperature Delta T			•
Phase Rotation			•
Volts AC/DC	•	•	•
Inrush		•	•
Swivel Clamp	•	•	•
Magnetic Strap	•	•	•
Probe Storage	•	•	•
5,000 Count Dual Display	•	•	
10,000 Count Dual Display			•
Temperature °F/°C	•	•	•
Capacitance	•	•	•
Duty Cycle %	•	•	•
400 Amps AC	•	•	•
400 Amps DC			•
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	•	•	•

Get the Right Tools

SC400 Series

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.

- Packed Meter, Affordable 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)
  JL2 Transmitter Required

SC420   SC440   SC460

Sturdy Magnetic Strap

SC420 Specifications:

Function:	Range:	Best Accuracy/: Best Resolution
Volts AC	600	1.2%±8 / 0.0001
Amps AC	400	2.0%±10 / 0.01
Volts DC	600	0.5%±2 / 0.0001
µAmps DC	500	1.0%±2 / 0.1
Ohms	50M	1.0%±5 / 0.1
Microfarads	5000	3%±5 / 0.001
Hz (clamp)	10 to 400	0.1%±5 / 0.1
Hz (leads)	10 to 1M	0.1%±5 / 0.1
Duty Cycle %	5 to 95	2%±10 / 0.1
±.5°C	-34°C to 500°C	±.5C* / 0.1
Battery	9V, 200 hrs Typical Alkaline	

System accuracy (SC420 meter + K Type thermocouple after field calibration

SC440 Specifications:

Measurement:	Range:	Best Accuracy/: Best Resolution
Volts AC	600	1.2%±8 / 0.0001
Amps AC	400	2.0%±10 / 0.01
Volts DC	600	0.5%±2 / 0.0001
µAmps DC	500	1.0%±2 / 0.1
Ohms	50M	1.0%±5 / 0.1
Microfarads	5000	3%±5 / 0.001
Hz (clamp)	10 to 400	0.1%±5 / 0.1
Hz (leads)	10 to 1M	0.1%±5 / 0.1
Duty Cycle %	5 to 95	2%±10 / 0.1
±.5°C	-34°C to 500°C	±.5C* / 0.1
Battery	9V, 100 hrs Typical Alkaline	

System accuracy (SC440 meter + K Type thermocouple after field calibration)

SC460 Specifications

Measurement:	Range:	Best Accuracy/: Best Resolution
Wireless	.35m to 30m	
Volts AC	600	1.2%±10 / 0.0001
Amps AC	400	2.0%±10 / 0.01
Volts DC	600	0.5%±5 / 0.0001
µAmps DC	1000	1.0%±5 / 0.1
Ohms	50M	1.0%±5 / 0.01
Microfarads	10000	3%±5 / 0.00001
Hz (clamp)	10 to 400	0.1%±5 / 0.1
±.5°C	-50°C to 1300°C	±.5C* / 0.1
Phase Rot.	80 to 600VAC	1.2%±10 / 0.0001
Battery	9V, 100 hrs Typical Alkaline (no backlight or wireless)	

System accuracy (SC460 meter + K Type thermocouple after field calibration)

SC400 Series

Essential Clamp Meter Line

Job Link

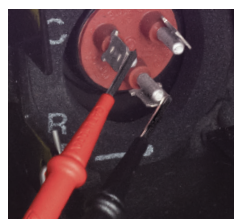|	SC420	SC440	SC460
True RMS		•	•
Smart Phone Compatible With Job Link App			•
Phase Rotation			•
Volts AC/DC	•	•	•
Inrush		•	•
Duty Cycle %	•	•	
400 Amps AC	•	•	•
Magnetic Strap		•	•
Dual Display	•	•	•
Temperature °F/°C	•	•	•
Capacitance	•	•	•
Microamps DC	•	•	•
Frequency	•	•	•
Non Contact Voltage	•	•	•
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	•	•	•

Do More with Compact Meters

SC200 Series

The rugged display has a broad temperature range tolerance which allows for testing in freezers and on rooftops. And the reliable temperature reacts quickly to changing environments.

- Auto-check Diode, MFD, Ohms, or continuity
- Max/min, Hold
- Hi-voltage warning
- Diode test
- Easy temperature calibration
- Low ohm range for motor windings
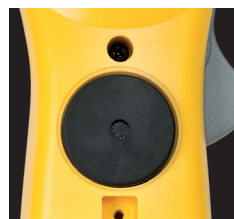- Read up to 400AAC
- 0.01AAC resolution

SC220   SC240   SC260

www.Fieldpiece.com

K Type Thermocouple Plugs Directly into Meter (SC240/SC260)

Ohm Out a Compressor

Built in Magnetic Hanger (SC260)

SC200 Series

Compact Clamp Meter Line

	SC220	SC240	SC260
True RMS			•
Volts AC/DC	•	•	•
400 Amps AC	•	•	•
Magnetic Hanger			•
Temperature °F / °C		•	•
Capacitance		•	•
Microamps DC	•		
Non Contact Voltage	•	•	•
40 Mega Ohm with 0.01 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	•	•	•

Specifications:

Function:	Range:	Best Accuracy/: Best Resolution
Volts AC	600	1.2%±8 / 0.001
Amps AC	400	2.0%±10 / 0.01
Volts DC	600	0.5%±2 / 0.001
Ohms	40M	1.0%±5 / 0.01
Microfarads	4000	3%±5 / 0.001
±.5°C	-34°C to 400°C	±.5°C* / 0.1

Battery SC260   9V, 150 hrs Typical Alkaline
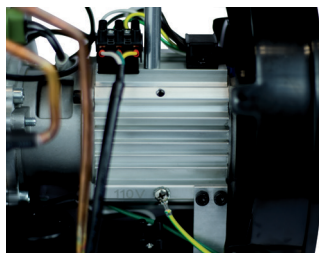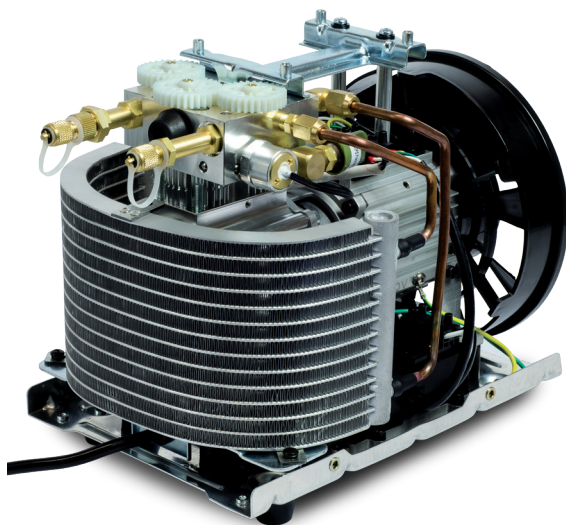Battery SC240 & 220   9V, 200 hrs Typical Alkaline

* System accuracy (SC260 meter + K Type thermocouple after field calibration)

Digital Recovery Machine
MR45INT

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 minimised and vapor recovery is maximised. 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.

Lightweight (10kg)

- DC motor is small and light

Smoother and Faster

- Smooth liquid recovery
- Variable smart speed motor maximises 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 200 and 250 VAC

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

Specifications:

Display	2 x 10000 count LCD with status messages	**DC Motor**	9 mm mesh screen, stainless
Backlight	Blue color	**Power Source**	376 mm x 250 mm x 344 mm
Measurement rate	3.3 times per second	**Max Current Draw**	7.0 AAC
Input Port Pressure Sensor Range	-76cmHg to 4100kPa	**Valve**	Single dual-route ball valve
Output Port Pressure Sensor Range	-76cmHg to 4100kPa	**Input Port Filtration**	9 mm mesh screen, stainless
High Pressure Cutoff	3850kPa, nominal	**Dimensions**	376 mm x 250 mm x 344 mm
Resolution and Units	5 Kpa, 1 psig, 0.05 bar, 0,01 Mpa	**Weight**	10 kg
Pressure Sensor Accuracy	1.3 cmHg, ± 0.5 " Hg ± (0.6% of reading +14 kPa)	**Operating Environment**	0°C to 50°C
Final Recovery Vacuum	38 cmHg, 14.9" Hg	**Storage Environment**	-20°C to 60°C
Compressor	Twin cylinder reciprocating (oil-less)	**Approved Refrigerants**	R12, R134A, R22, R401A (MP39), R401B, R401C, R402A, R402B, R404A, R406A, R407A, R407B, R407C, R407D, R408A, R409A, R410A, R411A, R411B, R412A, R500, R502, R507, R509.

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 10g. 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.

- Water resistant to withstand direct rain
- Solid aluminum construction
- Rubber grip pad to hold refrigerant tanks
- Hands-free testing with magnetic hat
- Connect to the Job Link® System Mobile App. Coming soon
    - Send live weights directly to your smart device
    - Record and document refrigerant use
- Long range wireless
- Flat top bumpers for larger tanks
- Works with large tanks
- Measure up to 114 kg
- Read in grams only, kilograms only, or kilograms and grams
- 200 hour platform battery life

Specifications:

Maximum load	114 kg
Auto power off	30 minutes of inactivity (no change in weight or buttons pressed), (APO can be disabled)
Best Accuracy	+/- 0.03%rdg +10g
Resolution and Units	kg g (10 g), kg (0.1 kg), g (10 g)
Temperature coefficient	0.1 x (specified accuracy) per 0.6 C
Wireless Range	30 meters line of sight. Obstructions affect distance.
Radio Frequency	2.4 GHz
Battery Type	Remote Display: 9V, NEDA 1604, JIS 006P, IEC 6F22 Platform: 6 x AA, NEDA 15A, JIS UM3, IEC LR6
Battery Life	Lo Batt will be displayed on the remote and the scale's LED will blink RED red when battery is low. Remote: 80 hours typical alkaline Platform: 200 hours typical alkaline
Operating environment	0°C to 50°C at <75% RH
Weight	3.3 kg
Water resistant platform	Designed to IP55

Remote stores safely in platform

Digital 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
• micron, mmHg, mbar, mTorr, Torr, Pascal
• Alarms and stopwatch

Specifications:

Operating Environment	0°C to 50°C, under 75%RH
Units	microns, mmHg, mbar, mTorr, Torr, Pascals
Range	9,999 microns (Hg) to 0 microns (Hg)
Accuracy	±(5% of reading + 5 microns), 50 to 1000 microns
Best Resolution	1 micron (Hg)
Max Overload	500Psig (35kg/cm2)
Power	4 x AAA (included)
Battery Life	40 hours typical (alkaline)
Auto-off	15 minutes at ATM pressure

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

Included

Thermocouple Pipe
Clamp - TC24

Specifications:

Operating Environment	0°C to 50°C at <75%RH
Pressure Range	74cmHgV to 500PSIG, 74cmHgV to 4000KPa
Temperature Range	-40°C to 204°C
Pressure Accuracy Resolution	74cmHgV(acuum) to 0: ±0.5"HgV/0.01, 74cmHgV to 0: ±0.4KPa/0.01 0 to 200Psi: ±1Psi/0.1, 0 to 1378 KPa: ±7KPa/1, 200 to 500Psi: ±(0.3%+1)Psi/1, 1378 to 3447KPa: ±(0.3%+7)KPa/1
Temperature Accuracy / Resolution	±0.5ºC @ -40ºC to 93ºC after field calibration/0.1°C ±1.0ºC @ 93ºC to 204ºC after field calibration/0.1°C
Pressure overload	800Psi
Battery	9V (included)
Battery Life	200 hrs typical (alkaline) with low battery indicator
Auto-off	Automatically turns off after 15 minutes

Dual In-duct Psychrometer
SDP2

Do More with One Tool.

- Easy temperature split in real-time
- Simultaneous in-duct supply and return evaporator readings
- Displays live temperature split, target evaporator exit temperature, and enthalpy change
- Smart phone compatible with Job Link app JL2 transimitter required

Specifications:

Batteries: 9V
Battery Life 120 hrs typical alkaline (no backlight or wireless)
Sensor Type Precision thermistor and capacitive polymer film
Wireless Range 30.5 Meters

Measurement Resolution	Range	Best
Relative Humidity:	0-100%	±2.5%/0.1%
Temperature:	-20 to 60°C	0.5°C/0.1°F

Included
Dual In-Duct Psychrometer SDP2
Two Threaded RCONEs-RCONE1
Blow Molded Case with Padding
Operators Manual

Dual Temperature Thermometer
ST4

Heavy Duty Dual Temp.

- Measure both T1 & T2 simultaneously
- Calculates T1 - T2
- Easy field calibration
- Superior temperature compensation

Included
Case with Hanger
2 K Type Thermocouples – ATB1
2 Velcro Straps

Specifications:

Measurement Range	-50°C to 204°C (to 1093°C with optional hi-temp thermocouple)
Measurement Rate	2.5 readings/second
Resolution	0.1°
Accuracy	-15°C, -58°F to 0°C
	±(0.3% rdg + 17°C), -36°C to 538°C
	±(0.5% rdg + 17°C), 538°C to 1093°C
Accuracy After ice Bucket Calibration	±.5°C, -1°C to -49°C

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

Specifications:

Battery 9V
Battery Life 20-30 hrs approx. (alkaline)
Connector Type Thermistors

Measurement	Range	Best Accuracy/ Best Resolution
Air Velocity	40 to 3900fpm (0.20 to 20.00m/s)	±(5%+1dgt)rdg or ±(1%+1dgt) Full Scale
Temperature	-20 to 60°C	±0.5°C/0.1°F

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

Specifications:

Range	0 to 1000 ppm (continual use)
	0 to 2000 ppm (5min max exposure)
Air sample range	0 to 41°C
	15% to 90% relative humidity
Initial accuracy	0 to 15 ppm: ±5%rdg ±1ppm
@ 23C -13C, <75%RH;	16 to 35 ppm: ±5%rdg ±2ppm
after zeroing	36 to 1000 ppm: ±5%rdg ±5ppm
Sensor calibration	Factory calibrated at 205 ppm.
Sensor type	Electrochemical (specific to CO)
Operating environment	0 to 50°C
Battery	9V (included)
Battery life	150 hrs typical (alkaline)
Auto-off	15 minutes

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 – RDSMHOSE

Specifications:

Operating Environment	0ºC to 50ºC at <75%RH
Accuracy/Range	mmWC: ±0.5 on 0.00 to ±51.0, ±1.5% FS on 51.0 to ±1500
	mbar: ±0.05 on 0.00 to ±5.00, ±1.5% FS on 5.00 to ±150.0
	psi: ±0.001 on 0.000 to ±0.07, ±1.5% FS on 0.07 to ±2.000
Fitting	Threaded brass fitting (male)
Resolution	025 mm water column
Overload	18 psi
Battery	9V (included)
Battery Life	200 hrs typical with low battery indicator
Auto-off	Automatically turns off after 15 minutes

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: -30°C to 550°C

IR Thermometer with Laser
SIR2

Ergonomic pocket IR with laser.
- 6:1 field of view
- MIN/MAX automatic data hold
- Select °F or °C

Megohmmeter
SMG5

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

In-duct Thermometer
SPK2

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

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
- Quick T1-T2 calculations
- Max/min/hold

TC24

Pipe Outer Diameter	9.5mm to 34.9mm
Measurement Range	-46°C to 125°C
Accuracy	±2.2°C thermocouple only
	±0.6°C after field calibration
Stabilization Time	30 seconds typical
Sensor Type	K Type thermocouple
	(nickel chromium/nickel aluminum)
Plug	K Type male mini plug
Cable Length	1.8m

TC24

ATC1R

Pipe Outer Diameter	3.5mm to 19mm
Measurement Range	-50°F (-46°C) to 257°F (125°C)
	maximum continuous operation
Accuracy	±2.2°C thermocouple only (±.5°C after
	field calibration, 0ºC to 80ºC)
Plug	K-type thermocouple male mini plug
Stabilization Time	Less than 30 seconds

ATC1R

ATC2

Pipe Outer Diameter	9.925mm to 57.15mm
Measurement Range	-46°C to 125°C
	maximum continuous operation
Accuracy:	±2.2°C (±/.5°C typical after field calibration)
Insulation and Resin Limit	82°C (continuous use)
Plug	K-type thermocouple male mini plug
Typical Stabilization Time	Less than 1 minute

ATC2

HVACR Inspection Tool Bag

BG36

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

BG44

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 material
- 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

Distributed by:

Fieldpiece Instruments B.V.
Kingsfordweg 151
1043GR Amsterdam
The Netherlands
+31 20 369 0470
europe@fieldpiece.com

Fieldpiece Instruments, Inc.
1636 West Collins Ave
Orange, California 92867
U.S.A.
+1 714 634 1844
orders@fieldpiece.com