Fieldpiece

Instruments



Fieldpiece.

Fieldpiece.

TOC

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 systems.

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

- Accessories
- Airflow
- Electrical
- Heating
- Refrigerant Charge
- Refrigerant Leak Detectors
- Temperature/RH%
- Vacuum & Recovery

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

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Fieldpiece University



Introducing Fieldpiece University Keeping You at the Top of Your Game

HVACR Techs:

- Training on specific applications and techniques.
- Extend your skills and knowledge about various industry topics.
- Video and interactive online training tools.
- Quizzes after the training to cement learnings.

Distributor partners:

- Training that's focused on helping you find the right product for customers and technicians.
- Resources to help you build your business through a more knowledgeable sales staff.
- Video and interactive online training tools.
- Quizzes after the training to ensure your sales team learned what they need.

Note for Distributors: If you are part of a distributor organization or buying group that already uses its own online university on BlueVolt, then Fieldpiece sales training courses are already available to you there. Please check with your distributor organization or buying group to confirm.

Class is in session. Enroll now!

FIRST TIME BlueVolt learners scan below.



CURRENT BLUEVOLT LEARNERS Scan below to add Fieldpiece University to your profile.







Distributors



SM480V

Wireless SMAN® Refrigerant Manifold 4-port

- Wireless range of 1,000'
- Super rugged construction
- Temperature compensated system tightness test
- Job Link® System enabled
- Data logging
- Water resistant (IP54)



SM380V

Wireless SMAN® Refrigerant Manifold 3-port

- Wireless range of 1,000'
- Super rugged construction
- Temperature compensated system tightness test
- · Job Link® System enabled
- Data logging
- · Water resistant (IP54)



JL3KH6

Job Link® System Charge and Air Kit

- Wireless range of 1,000'
- Directly connects to mobile device with Job Link® System App
- Fast accurate temps with patented Rapid Rail technology
- Pressure probe auto calibrates at any elevation
- Configurable psychrometers with flexible probe and sliding magnet
- Water resistant (IP54)



JL3KR4

Job Link® System Charge Kit

- Wireless range of 1,000'
- Directly connects to mobile device with Job Link® System App
- Fast accurate temps with patented Rapid Rail technology
- Pressure probe auto calibrates at any elevation
- Great for critically charged systems
- · Water resistant (IP54)





JL3PR

Job Link® System Pressure Probe

- Wireless range of 1,000'
- 45° angled fitting easily connects in tight spaces
- Pressure sensors are accurate at any elevation
- Great for critically charged systems
- Water resistant (IP55)



Job Link[®] System App

One system does it all - Job Link® System App

The Job Link® System works with all of our wireless tools—from pipe clamps to probes to digital manifolds, and integrates all of their functionality seamlessly. With the Job Link® System App, you'll see a real-time picture of an entire system.

Link Your Tools.

Connect a variety of tools with the most advanced wireless range, up to 1000 feet, to gather realtime system diagnostics across the entire jobsite.

- One-Time Connectivity to Wireless Tools.
- Measurements & Data on a Single Screen.



New System Conjunt An Conditioning An Conditioning Year Records but (Packaged) Heat Pump Yea Seeine Name Records No Tag Assigned No Tag Assigned Seeine Name Records Seeine Name Reco

Link Your Jobs.

Featuring a new work order management system, with geolocation tagging, that eliminates time spent searching for buried details.

- Search, Sort & Manage Jobs by Customer.
- Invoicing Simplified.
- Job Planning Made Easy.







Job Link[®] System Mobile App

There are three subscription tiers available, depending on your HVACR business needs. Visit fieldpiecejoblink.com to sign up today!

6.7

120.7

Job Link Free

- Live measurements
- Advanced calculations
- System diagnostics
- Free PDF reports

Job Link Pro

Everything in Job Link Free plus:

- Cloud storage
- Inspection checklists
- Photos and notes
- Customer and equipment history
- Build teams
- Live Look-in

Job Link Pro + Invoicing

Everything in Job Link Free and Job Link Pro plus:

- Professional invoicing
- Customizable parts and equipment
- Customizable hourly rates
- QuickBooks online integration







Airflow 1

JL3KM2

Job Link® System Dual Port Manometer Probe Kit

- 1000' Wireless range
- Precise placement with untethered design
- All-in-one static, gas and draft pressure
- Available as individual tool JL3MN



STA2

Anemometer Hot Wire

- In-duct air balancing with fast response time
- Minimizes turbulence effect
- · Hands free testing
- 38" telescoping probe in in-duct traversing
- Dual display shows combo of real-time CFM, air velocity, or temp



SDMN6

Dual Port Manometer w/ Pressure Switch Tester

- Gas, static, and differential pressure
- Test pressure switches
- Easily calibrate any adjustable pressure switch
- Great for diagnosing furnace performance
- · Built in continuity tester





SDMN5

Dual Port Manometer

- Measure duct pressures to balance air flow
- Resolution down to 0.01"WC for static pressure measurement
- •-60.0"WC to 60.0"WC range
- Includes two 5/16" adapters for measuring inlet and outlet pressures

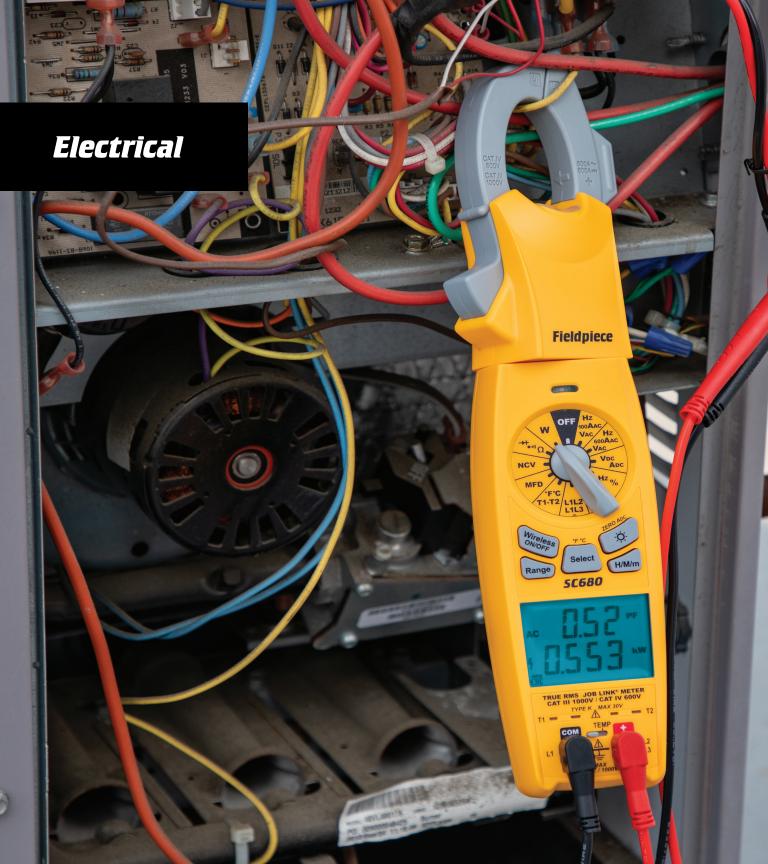


AAV3

Air Velocity and Temperature Accessory Head

- Measure velocity to calculate CFM
- · Large vane covers most of register's free area
- Displays average measurement and real-time
- Works with Fieldpiece Stick Meters





SC680

600A AC/DC Swivel Clamp Meter Dual Display - Power - LPF

- Wireless direct to Job Link® System for electrical documentation
- Measures Power (kW) for system efficiency
- Has True RMS and Low Pass Filter (LPF) to obtain accurate VFD readings
- DC Amps and Diode for mini-split inverters
- Dual temperature for delta T
- Molex test leads for small circuitry
- Test 3-phase with two leads
- Safety rated CAT IV 600V/CAT III 1000V





SC640

400A Swivel Clamp Meter Dual Display | Inrush

- Swivel-head with LED jaw flashlight
- Selector dial backlight
- Large backlit display
- Magnetic strap
- Lead storage













Function	SC680	SC640
Volts AC/DC	•	•
Amps AC/DC	•	
600VAC/DC	•	•
750VAC,1000VDC	•	
Power Factor	•	
Low Pass Filter	•	
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 AAC	•	•
600 AAC/ADC	•	
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	•	•
Compliance with UL 3rd Edition	•	•
CATIII 600VAC/DC	•	•
UL rated up to CATIII 1000VAC/DC and CATIV 600VAC/DC	•	

SC480

600A Clamp Meter Dual Display | Power

- Wireless direct to Job Link® System for electrical documentation
- Measures Power (kW) for system efficiency
- Has True RMS and Low Pass Filter (LPF) to obtain accurate VFD readings
- Molex test leads for small circuitry
- Test 3-phase with two leads
- Safety rated CAT IV 600V/CAT III 1000V



SC440

400A Clamp Meter Dual Display | Inrush

- Sturdy magnetic strap
- True RMS
- Inrush current
- Test-lead holder
- Magnetic Strap



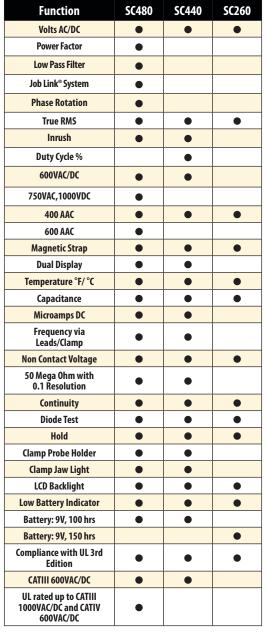
SC260

400A Clamp Meter Compact

- True RMS
- Volts AC/DC
- Temperature
- Magnetic Hanger
- · Bright backlight







HS36

Stick Style Multimeter True RMS with Backlight

- Works with all accessory heads
- Non-contact voltage
- Mlicroamps DC for flame diodes
- 400 AAC with included amp clamp
- Temperature up to 1000 F°
- Lead storage



HS33

Stick Style Multimeter Manual Ranging

- Works with any accessory head
- Non-contact voltage
- Microamps DC for flame diodes
- 400 AAC with included amp clamp
- Temperature up to 1000 F°
- Convenient lead storage
- Safe one-handed testing



HS33	HS36	Function	Range	Accuracy / Resolution
Manual	Auto	Ranging		
2000	4000	Counts		
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, EED and beeper, Range is 40XX, not 20X.
 Temperature accuracies shown are after simple field calibration

ACH4

400A Amp Clamp Accessory Head

- Jaw claw helps isolate wires for testing
- Find run/start amps of motors and compressors
- Great partner for stick multimeters
- Angled jaw opens to 1.8"





LT17A

Digital Multimeter

- Temperature up to 1400 F°
- 400 AAC with included clamp
- Capacitance up to 200MFD
- Works with accessory heads
- Microamps for flame diode test
- Frequency for motor setup



SNCV1

Non-Contact Voltage Tester

- Detects live AC voltage without contact
- Bright LED and loud beeper
- Range: 24VAC to 440VAC
- Senses 24VAC for thermostat power



SMG5

Megohmmeter

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



ADA2

Dual Alligator Clips

- Vinyl insulated cables
- 3.5 feet long



ASLS2

Silicone Test Leads

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



ADLS2

Deluxe Silicone Test Leads

- High copper strands, silicone insulated test leads
- · Basket style strain relief
- Removable probe tips



ADK7

Deluxe Test Lead Kit

- Silicone test leads
- Alligator clips
- Molex tips





VPX7

10 CFM Vacuum Pump

- 10 CFM flow rate with 15 microns ultimate vacuum
- 34 HP DC motor
- Weighs 24 lbs. Patented lightest weight
- RunQuick® Oil Change System offers on-the-fly oil changes in seconds
- Port Sizes: (1) 1/4", (2) 3/8", (1) 1/2"
- Small footprint 1,346 cubic inches



OIL8X3

3 Pack Vacuum Pump Oil

- Three eight-ounce containers of vacuum pump oil
- Low vapor pressure ideal for pulling vacuums
- Wide temperature range helps oil perform in any conditions
- Highly refined for consistent performance
- · Ensures proper sealing and lubrication
- Designed to work with our RunQuick® Oil Change System



VP87

8 CFM Vacuum Pump

- 8 CFM flow rate with 15 microns ultimate vacuum
- 34 HP DC motor
- Weighs 27 lbs.
- RunQuick® Oil Change System offers on-the-fly oil changes in seconds
- Port Sizes: (1) 1/4", (2) 3/8", (1) 1/2"
- Small footprint 1,346 cubic inches



OIL32

Quart Vacuum Pump Oil

- Quart-size container of vacuum pump oil
- Low vapor pressure ideal for pulling vacuums
- Wide temperature range helps oil perform in any conditions
- Highly refined for consistent performance
- Ensures proper sealing and lubrication
- Designed to work with our RunQuick® Oil Change System



VP67

6 CFM Vacuum Pump

- 6 CFM flow rate with 15 microns ultimate vacuum
- 1/2 HP AC motor
- · Weighs 29 lbs.
- RunQuick® Oil Change System offers on-the-fly oil changes in seconds
- Port Sizes: (1) 1/4", (2) 3/8", (1) 1/2"
- Small footprint 1,346 cubic inches



OIL128

Gallon Vacuum Pump Oil

- Gallon-size container of vacuum pump oil
- Low vapor pressure ideal for pulling vacuums
- Wide temperature range helps oil perform in any conditions
- Highly refined for consistent performance
- Ensures proper sealing and lubrication
- Designed to work with our RunQuick® Oil Change System



Vacuum & Recovery 2

MG44

Wireless Vacuum Gauge

- Confidently perform evacuations with a reliable, leak-proof seal
- Reversible angled coupler and new cylindrical design are easier to fit into tight spaces
- •There are three ways to use: 1) Directly from the MG44's display, 2) up to 1000' away via the Job Link® mobile app, or 3) on the Fieldpiece SMAN® Refrigerant Manifold
- Three ways to view: New larger backlit LCD screen is easier to read and its dot-matrix display shows more info including 1) rate, 2) bar graph, and 3) rate meter
- IP54-rated weather-resistant



MR45

Digital Recovery Machine

- DC Motor: 1 HP (variable smart speed)
- Starts and runs easily with lower voltage
- Minimizes liquid slugging and maximizes vapor recovery
- Easy access ports
- Water resistant to withstand direct rain
- R32 Ready



SRS3

Wireless Refrigerant Scale

- Max load 252 lbs (114 kg)
- Water resistant
- 200 hour platform battery life
- Long range wireless
- Connect to Job Link® System Mobile App
- Flat top bumpers for larger cylinders





SRS1

Refrigerant Scale

- Charging & recovery weight alarms
- Easy to carry
- 0.25 oz (0.01 kg) resolution
- Maximum load: 110 lbs (50kg)
- Accuracy: $\pm (0.05\% \text{rdg} + 10\text{g})$
- Water resistant



S365

Charging Jacket for TXV Systems

- Charge from 37-70°F outside temperatures
- Service maintenance contracts before and after summer heat
- Extend billable hours
- Easy to adjust to reach correct pressure differential
- Looks professional





DR82

Infrared Refrigerant Leak Detector

- State-of-the-art infrared sensor
- Large backlit LCD screen provides clear, easy-to- see information
- Sensitivity better than 0.03 oz/yr (1g/a)
- Detects all HFC, CFC, HCFC, HFO and blends
- Flashing lighted tip, loud beeper and leak rate indicator
- Doesn't trigger on soap bubbles and oil



DR58

Heated Diode Refrigerant Leak Detector

- Sensitivity better than 0.03 oz/yr (1q/a)
- Bright, LCD screen with easy-to-see bar graphs and numeric readings
- 18-hour USB rechargeable lithium-ion battery
- Detects all HFC, CFC, HCFC, HFO and blends
- Flashing lighted tip, multiple alarms, and numerical leak size indicator
- · Manual or automatic zeroing
- Great performance on R410A



RFT6

All in one, replaceable filter tips











SCM4

Carbon Monoxide Detector

- Field-replaceable CO sensor
- Calibrate to ambient quickly with the ZERO button
- Audio/visual alarms with mute
- Fast electro-chemical sensor
- Magnetic hanger for hands free



SOX3

Combustion Checker with Auto Pump

- Measures flue temp and %02
- Calculates %CO2, %EA, and combustion efficiency
- Hands-free testing with magnet, R-cone, and automatic pump
- Programmable for custom fuel types



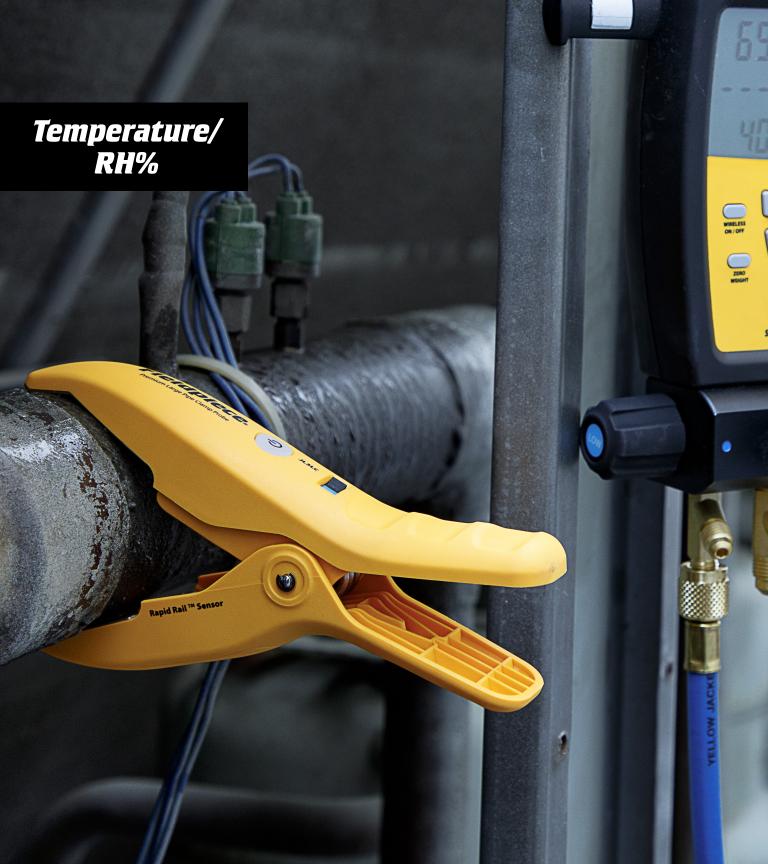
SDMN6

Dual Port Manometer w/ Pressure Switch Tester

- Gas, static, and differential pressure
- Test pressure switches
- Easily calibrate any adjustable pressure switch
- Great for diagnosing furnace performance
- · Built in continuity tester







JL3RH

Job Link® System Flex Psychrometer Probe

- Powerful 1000' wireless range direct to Job Link App on mobile device
- Communicates with Job Link App and Wireless Manifolds (SM380V/SM480V)
- Strong magnetic hanger
- Supply and return side switch
- Water resistant



SIG1

Gun Style IR Thermometer with Laser

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



SRH3

Psychrometer Telescoping Wand

- In-duct target superheat & target evaporator exit temp
- Wet bulb, temps, dew point, and %RH
- Hands free testing
- 38" telescoping probe
- Quickly takes readings from the center of the duct



SPK1

Pocket Knife Style Thermometer

- Detent holds rod in 16 positions
- Temperature range: -58°F to 392°F
- Stainless Steel
- · Max/min/hold



PRH2

Digital Pocket Psychrometer

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



SPK₂

In-duct Thermometer

- Quick and easy in-duct measurements
- Temperature range: -58°F to 392°F
- Hanging hook
- Bright backlight



ST4

Dual Temperature Meter Type K

- Two Type-K thermocouples included
- Accepts any Type-K thermocouple
- Resolution of 0.1 degree F
- Separate MIN/MAX and HOLD buttons
- Easy field calibration



SPK3

Thermometer – Compact Type K - Infrared

- Convenient 2-Way Temp | Rod/IR
- •8:1 IR
- Hands free in-duct temps
- Ouick T1-T2 calculations
- Max/min/hold



TC48

Large Pipe Clamp

- Jaw range between 3/4" to 4 1/8"
- Extremely accurate and quick
- Patented Rapid Rail™ Sensor
- Single-hand operation
- Compact design



JL3PC

Job Link® System Premium Pipe Clamp Probe

- Jaw range between 1/4" to 1 3/8"
- Powerful 1000' wireless range
- Stabilizes in 3 seconds with +/- 1° F accuracy
- Patented Rapid Rail™/R Sensor
- Communicates with Job Link App and Wireless Manifolds (SM380V/SM480V)



TC24

Pipe Clamp Thermocouple

- Works on pipes between 3/8" and 1 3/8"
- Ideal for residential and light commercial cooling systems
- Accuracy: ±1°F (0.5°C) after field calibration (meets California's Title 24 specifications)



ATC1R

Small Clamp Thermocouple

- Works on pipes between 1/8" to3/4"
- Accuracy: \pm /- \pm 0°F (2°C) ; \pm 1°F (0.5°C) after field calibration, 32 to 176°F (0 to 80°C)

Temperature range: -50 to 257°F (-46 to 125°C)



JL3LC

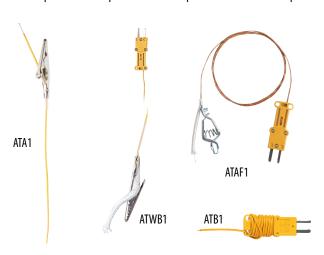
Job Link[®] System Large Pipe Clamp

- Jaw range between 3/4" to 4 1/8"
- Extremely accurate and quick
- Patented Rapid Rail[™] Sensor
- Works wirelessly up to 1,000'
- Communicates with Job Link App and Wireless Manifolds (SM380V/SM480V)



Fieldpiece Thermocouples

All Fieldpiece thermocouples work with Fieldpiece meters that take temperature.



Model	Description	MAX° F PROBE TEMP
ATAI	Bead type with alligator	400
ATWBI	Wet bulb (sock) with alligator	200
ATAFI	HI-temp bead type with alligator	900
ATBI	Bead type standard	400



Accessories 47

BG36

Inspection Tool Bag

- Quick locking magnetic closure
- Isolated pockets for test instruments
- Weather protected sturdy base
- Compact rugged design



BG44

Service Tool Bag

- Rugged, elevated rack for hand tools
- Padded pockets to protect meters
- Magnetic tray
- Quick carry single strap
- Compact rugged design



PLM2

Lighted Mirror Tool

- Adjusts in any direction
- LED light
- •Detach the mirror to use as flashlight







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