

# SC680

Job Link® System Clamp Meter

Tools HVACR Pros Trust



\* System accuracy (SC680 meter + Type K thermocouple after field calibration)

## SC680 Specs

Function	Range	Best Accuracy/ Best Resolution
Wireless	115ft (35m)	
Volts AC	750	1.5%±10 / 0.0001
Amps AC	600	2.0%±10 / 0.01
Volts DC	1000	0.5%±5 / 0.0001
Amps DC	600	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 1000K	0.1%±5 / 0.01
Duty Cycle %	5 to 95	2%±10 / 0.1
°F	-58°F to 2372°F	±1°F / 0.1
°C	-50°C to 1300°C	±1°C / 0.1
Phase Rot.	80±5 to 600VAC	1.5%±10 / 0.1
Power (kW)	450	5%±5 / 0.1
Battery	9V, 100 hrs typical alkaline (no backlight or wireless)	

## Job Link® System Power Clamp Meter

Model SC680



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## Model SC680



## Built for HVACR

Good luck finding something the SC680 doesn't do. See the dial in the dark, use the AC/DC swivel clamp, measure dual temperature, check power, find phase rotation, and then easily document all your electrical measurements in the Job Link app.

### Molex Test Leads

Work efficiently on hard to reach circuitry.

### VFDs voltage accuracy

Low Pass Filter (LPF) to remove noise and get true voltage.

### Swivel Head with LED Flashlight

Open the clamp to illuminate the wire bundle you're hunting.

### Electrical Testing for HVACR

True RMS readings through the clamp or leads. Capture starting amps with Inrush.

### Test 3-Phase Power with Only Two Leads

Conveniently test phase rotation without carrying around that extra lead.

### Trusted Dual-Temp

Reliable temperature in fast changing environments. View both temperatures or T1-T2.

### Capacitance

Test motor start and run caps. Determine when a capacitor needs to be replaced.

### Wireless Bluetooth Beacon

- 115' (35 meters) wireless connection direct to mobile device
- Document electrical measurements
- Calculate power and system efficiency

### And More

- Works with Job Link.
- °F/°C switchable.
- Hold/Max/min.
- High voltage LED and beeper warning.
- Non contact voltage LED and beeper.
- Continuity LED and beeper.
- Diode test.
- Flame Rectification. (µADC)
- Microamps DC.
- Frequency (Hz) through the clamp.
- CATIII 1000V, CATIV 600V.
- Magnetic Hanger.
- Power Factor.

### Included:

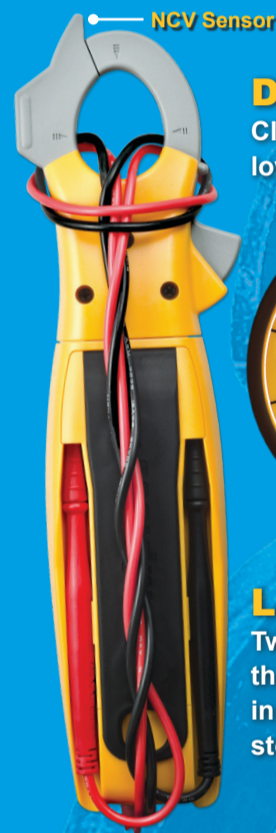
- SC680 JL Clamp Meter
- 2x ATB1 Thermocouples
- ADLS2 Silicone Leads
- ASA2 Gator Clip Leads
- ANC7 Padded Case
- RCT2 Molex Tips

- Measure accurate blower amperages behind the door
- Remote monitoring of compressor VAC and AAC



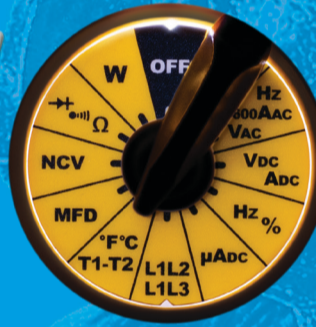
## Safety + Convenience

Use non-contact voltage to check if the wire is hot or not. Use the probe holder on the clamp to test voltage more safely with one hand. Test voltage hands-free using the magnetic hanger.



### Dial Backlight

Clearly view the dial in low light situations.



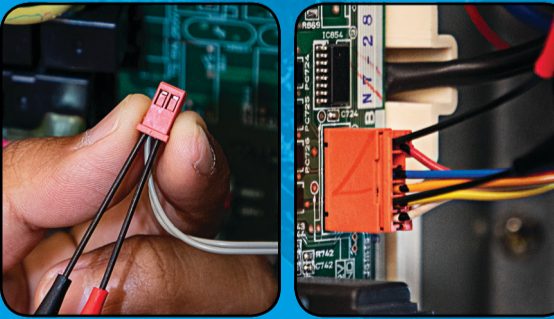
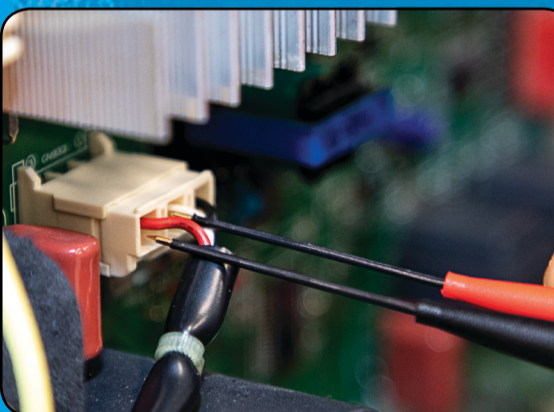
### Lead Storage

Twist your leads around the clamp and snap in the probes for tidy storage.

## RIGHT STUFF

### Molex Test Leads

Swap out your regular lead tips with the super thin Molex tips to get readings on hard to reach circuitry.



## Job Link® System Power Clamp Meter

## Great For Mini-Splits

### SC680

- Molex Test Leads
- Power (kW)
- Swivel Clamp
- True RMS
- Inrush Amps
- Hold/Max/min
- Dial Backlight
- Jaw Flashlight
- Record readings in Job Link app



Power (kW)  
CAT IV  
AC/DC Clamp

## Direct Integration with Job Link® System App!

Document all your electrical readings in the Job Link app. Pair your SC680 with the SM380V or SM480V manifolds, SRS3 wireless scale, and the Job Link Probes to receive and document a complete system snapshot wirelessly.

## DO MORE



Precise blower motor measurements. Grab the correct wire and secure with extra strong magnet.



Securely close blower door. Send your measurements wirelessly via your Job Link App.



View precise measurements directly on mobile device and save in Job Link Report.

## Document all electrical measurements

Clearly communicate the health of the system with your co-workers and customers. Proven to help reduce call backs and increase sales.

MEASUREMENTS			
AIR SIDE	REFRIGERANT SIDE	ELECTRICAL	
Date: 2019-08-26	Date: 2019-08-26	Date: 2019-08-26	
Time: 09:29:28	Time: 09:29:28	Time: 09:29:28	
Return Air Dry Bulb: 72.2 °F	Refrigerant: R-410A	Cap: 72.24 µF	
Supply Air Dry Bulb: 55.8 °F	Suction Line Pressure: 118.7 PSIG	Volt Amps: 206.7 VAC	
Target Evaporator Exit: 57.4 °F	Liquid Line Pressure: 263.9 PSIG	Power Factor: 0.9	
Temp: 64.3 °F	Vapor Saturation Temp: 40.1 °F	Tag: 16.37 AAC	
Return Air Wet Bulb: 52.9 °F	Liquid Saturation Temp: 62.0 °F	L1: 16.37 AAC	
Supply Air Wet Bulb: 52.9 °F	Suction Line Temperature: 53.9 °F	L2: 207.0 VAC	
Return RH%: 55.3 %	Liquid Line Temperature: 66.1 °F	Temp: 3.05 MW	
Supply RH%: 62.9 %	Outdoor Dry Bulb Temperature: 65.0 °F	BEER: 15.49 BEER	
Return Dew Point: 56.1 °F	Target Superheat: 10.0 °F	EER: 12.50 EER	
Supply Dew Point: 56.7 °F	Actual Superheat: 13.8 °F	Target Subcooling: 18.0 °F	
Return Enthalpy: 26.5 BTU/lb	Supply Enthalpy: 21.8 BTU/lb	Cooling CFM: 1200.0 CFM	
Actual Subcooling: 8.8 °F	Actual Superheat: 2.8 °F	Combin System: 40328.8	

Image is of customer report generated with the Free Job Link® System App



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www.fieldpiece.com

▲ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov  
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