

SC480

Job Link® System Clamp Meter

Tools HVACR Pros Trust



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
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
°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 SC480



Tools HVACR Pros Trust

SC480



* System accuracy (SC480 meter + Type K thermocouple after field calibration)

Essential Features

Test HVACR electrical equipment using phase rotation, True RMS, and Inrush features. Plus connect directly with the Job Link® System app to document electrical measurements.

Electrical Testing for HVACR

True RMS readings through the clamp or leads. Inrush current mode to capture starting amps.

Test 3-Phase Power with Only Two Leads

Conveniently test phase rotation without carrying around that extra lead.

VFDs voltage accuracy

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

Capacitance

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

Molex Test Leads

Work efficiently on hard to reach circuitry.

Magnetic Hanger

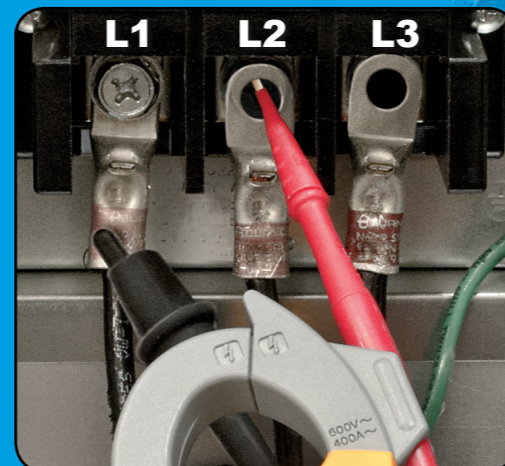
Hanging strap flips out to keep the meter locked in place.

Trusted Temp

Reliable temperature in fast changing environments.

And More

- Works with Job Link.
- °F and °C.
- Hold/Max/min.
- High voltage LED and beeper warning.
- Non contact voltage LED and beeper.
- Continuity LED and beeper.
- Diode test.
- Easy temp cal.
- Microamps DC.
- Frequency (Hz) through the clamp.
- Low ohm range for motor windings.
- CATIII 1000V, CATIV 600V.
- 0.01AAC resolution.
- Backlit display.
- Auto-Power-Off



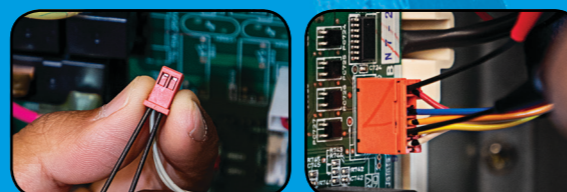
Test 3-Phase Power with Only Two Leads!

With an alligator test lead (included) connected to L1, you can determine phase rotation with one hand.

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.



Included:

- SC480 Clamp Meter
- ATB1 Thermocouple
- ASA2 Gator Clip Leads
- ADLS2 Silicone Leads
- ANC12 Padded Case
- RCT2 Molex Tips

Job Link® System Power Clamp Meter

Wireless

SC480

- Dual Display
- Temperature
- Microamps DC
- Hold/Max/min
- Jaw Flashlight
- Magnetic Strap



Direct Integration with Job Link® System App!

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

DO MORE



Precise blower measurements. Grab the correct wire, secure with strong magnet, fully close blower door.



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: 09:29:26	Time: 09:29:26	Time: 09:29:26
Return Air Dry Bulb: 75.2 °F	Refrigerant: R-410A	Cap: 72.24 µF
Supply Air Dry Bulb: 55.8 °F	Suction Line Pressure: 118.7 PSIG	Cap: 0.0
Target Evaporator Exit: 57.4 °F	Liquid Line Pressure: 283.9 PSIG	Volt Amps: 206.7 VAC
Temp: 64.3 °F	Vapor Saturation Temp: 40.1 °F	Power: 16.39 AAC
Return Air Wet Bulb: 52.9 °F	Liquid Saturation Temp: 92.0 °F	Power Factor: 0.8
Supply Air Wet Bulb: 52.9 °F	Suction Line Temperature: 53.9 °F	L1: 16.37 AAC
Return RH%: 55.3 %	Liquid Line Temperature: 86.1 °F	L1L2: 207.2 VAC
Supply RH%: 82.9 %	Outdoor Dry Bulb: 95.0 °F	L2: 16.37 AAC
Return Dew Point: 58.1 °F	Temperature: PF: 3.05 kW	SEER: 15.49 SEER
Supply Dew Point: 55.2 °F	Target Superheat: 10.0 °F	EER: 12.50 EER
Return Enthalpy: 21.9 BTU/lbm	Actual Superheat: 13.8 °F	
Supply Enthalpy: 21.9 BTU/lbm	Target Subcooling: 10.0 °F	
Cooling CFM: 1200.0 CFM	Actual Subcooling: 2.9 °F	
Cooling System: 40328.8		



Tools HVACR Pros Trust

www.fieldpiece.com

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

© Fieldpiece Instruments, Inc. 2019, v05



Power (kW)
CAT IV