

Professional-grade instruments for field service

SC76 Specifications

Function	Ranges	Accuracy/Resolution	Function	Ranges	Accuracy/Resolution
VAC (Auto)	3.4-600	2.0% ± 5/0.001	MFD	340	3.0% ± 5/0.1
VDC (Auto)	34-600	0.5%±2/0.001	Ohms (Auto)	340-340k	1.2% ± 4/0.1
mVDC	340-3400	0.5%±2/0.1		3.4M	1.5%±4/0.001
AAC (Auto)	34-300	3.0% ± 5/0.01		34M	3.0%±5/0.01
µADC (Auto)	340-3400	1.0% ± 2/0.1	Hi-V	LED & Beep	
°F	340	±1°F/0.1	NCV	LED & Beep	
	1000	2% ± 4°F/1	Continuity	LED & Beep	

SC77 Specifications

Function	Ranges	Accuracy/Resolution	Function	Ranges	Accuracy/Resolution
VAC (Auto)	4-600	2.0% ± 8/0.001	MFD	4	3.0% ± 10/0.001
VDC (Auto)	40-600	0.5%±2/0.001		40-400	3.0% ± 5/0.1
mVDC	400-4000	0.5%±2/0.1		4000	5.0% ± 20/1
AAC (Auto)	40-300	3.0% ± 10/0.01	Ohms (Auto)	400-400k	1.2% ± 4/0.1
µADC (Auto)	400	1.0% ± 2/0.1		4M	1.5%±4/0.001
Hi-V	LED & Beep			40M	3.0%±5/0.01
NCV	LED & Beep		°F	400	±1°F/0.1
Continuity	LED & Beep			1000	2% ± 4°F/1

SC70 Series

Expandable
Clamp Meter With
Non-Contact Voltage

SC70 Series

Expandable Clamp Meter
With Non-Contact Voltage



Professional-grade instruments for field service

	SC76 3400	SC77 4000
Counts		
Backlight		●
True RMS		●
Bargraph	●	●
1000°F		●
Diode Test	●	●

Built For HVAC/R

Connects to Fieldpiece Accessory Heads

Has mVDC ranges and deluxe silicone leads with removable tips for connecting to accessory heads.

Backlight (SC77)

Bright blue backlight for reading the display in poorly lit areas.

True RMS (SC77)

For non-sinusoidal waveforms.

Non-contact voltage

Identifies live AC wires from 24 to 480 VAC without contact by lighting up a big bright LED and beeper.

Temperature

Handles fast changing temperature environments. "Wrap-tab" for thermocouple storage.

Capacitance

For motor run and motor start capacitors.

And more:

- Auto-ranging for best resolution.
- Microamps for flame rectifier diode.
- Hi-Voltage indicators (LED and beeper) for safety.
- Continuity (Both LED and beeper).
- Low ohm ranges for motor windings.
- Amps AC reads up to 300AAC with 0.1A resolution.
- Auto power-off.

Easy to grab the wire you want

The non-contact voltage tab on the end of the clamp makes it easy to separate and capture a wire from a bundle. Insert the tab between wires. Twist. Open jaws and slide wire in.



Attach to Fieldpiece accessory heads

Disconnect test lead tips to attach to most Fieldpiece accessory heads.



Fieldpiece accessory heads measure contact temperature (dual), IR temperature, RH%, wet bulb, dew point, dry bulb, air velocity, CO, CO₂, O₂, milliohms, true RMS, high voltage, vacuum (vacuum gauge), gas and static pressure (manometer), pressure, superheat, and subcooling.

SC70 Series

Expandable Clamp Meter
With Non-Contact Voltage

Works with
Fieldpiece
Accessory Heads



VAC, AC Amps, VDC, Ohms, Continuity, DC Microamps, Temperature, Microfarads.

Test Lead Solutions

- Probe storage in the back.
- Removable probe tips for connection to all accessory heads.
- Single test lead holder for easy and safe voltage tests.
- Silicone wire test leads remain flexible in cold weather, withstand caustic chemicals, and work well in temperatures that will melt more common vinyl leads.
- Leads conveniently wrap around meter.

Thermocouple Solutions

- Use the included Velcro stabilizing strap to take better pipe temperatures.
- Other available K-type thermocouples include: piercing tip for soft ducts, wet bulb, pipe clamps, and hi-temp fiberglass.



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