

Test and Service Kit



***The UTLKIT has the
test tools you need
for fast and effective
HVAC/R system
troubleshooting***

- **UTL260 - Digital Clamp Meter**

The UTL260 is a durable, compact, reliable, and accurate clamp-on DMM. It's great for testing electrical systems and appliances in light commercial and residential systems. IEC1010 CAT II 600 Volt

- **UTL33T - Digital Multimeter**

The UTL33T is a full featured digital multimeter. It has the measurement functions (including temperature) needed to help technicians successfully troubleshoot, repair and verify appliance operation. IEC1010 CAT II 600 Volt

- **UTLPT1 - Digital Pocket Thermometer**

This pocket thermometer has a conveniently located pocket clip and a removable stem cover. It is designed to stay in place when wedged into the grills on standard registers, even if they are overhead. CE Listed

- **UTL7002 - Voltage Detector**

This pocket-clip voltage detector sounds off with a loud tone and lights its LED indicator when it's held near an AC voltage source. It can also be used as a quick "contact" DC detector for voltages as low as 3 volts DC with plastic cap removed.

- **UTLIT1 - Infrared Thermometer**

This infrared thermometer makes it easy to check the temperature of vents, various rooms, motor bearings, power panels and fuses, and an amazing variety of other applications. It includes laser sighting to help identify your temperature target. CE Listed

- **AC73 - Soft Carrying Case**

This padded carrying case will carry all of these instruments and much more. It includes pouches inside and out along with movable compartment walls that allow you to transform the case's interior to fit your unique needs.

Specifications



UTL260 - Digital Clamp Meter

- AC current: 2A/20A/200A $\pm 2\%$
- DC voltage: 600V $\pm 1\%$
- AC voltage: 600V $\pm 1.5\%$
- Resistance: 2k Ω $\pm 1\%$
- LCD Display 3 1/2 digits 1999 reading
- Indication of functions and symbols
- Sample Rate: 2 times/sec
- Audible continuity
- Back light
- Maximum conductor size: $\phi 28\text{mm}$
- Dimensions: 194(L)x72(W)x35(H)mm
- Weight: 200g. Approx. (w/ battery)

AC Voltage

Range	Resolution	Accuracy
600V	1V	$\pm(1.5\%+5)$

Resistance

Range	Resolution	Accuracy
2k Ω	1 Ω	$\pm(1\%+5)$

Audible continuity

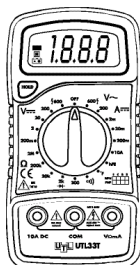
Range	Continuity beeper
$\rightarrow$)	< approximately 50 Ω

AC Current

Range	Resolution	Accuracy
2A	0.001A	$\pm(2\%+5)$
20A	0.01A	
200A	0.1A	

DC Voltage

Range	Resolution	Accuracy
600V	1V	$\pm(1\%+5)$



UTL33T - Digital Multimeter

- DC Voltage
- DC Current
- AC Voltage
- Temperature
- Diode & Continuity Resistance
- Transistor Test

Temperature

Range	Res	Test Range	Accuracy
°F	1°F	-4°F to 32°F	$\pm 10\%$ of rdg ± 2 digits
		32°F to 752°F	$\pm 1.0\%$ of rdg ± 2 digits
		752°F to 1832°F	$\pm 2.0\%$ of rdg

Resistance

Range	Resolution	Accuracy
200 Ω	0.1 Ω	$\pm 0.8\%$ of rdg ± 3 digits
2k Ω	1 Ω	$\pm 0.8\%$ of rdg ± 2 digits
20k Ω	10 Ω	
200k Ω	100 Ω	$\pm 1.0\%$ of rdg ± 2 digits
2M Ω	1k Ω	

DC Voltage

Range	Res	Accuracy
200mV	100 μ V	
2V	1mV	
20V	10mV	$\pm 0.5\%$ of rdg ± 2 digits
200V	100mV	$\pm 0.8\%$ of rdg ± 2 digits
600V	1V	

AC Voltage

Range	Resolution	Accuracy
200V	100mV	$\pm 1.2\%$ of rdg ± 10 digits
600V	1V	

DC Current

Range	Res	Accuracy
2mA	1 μ A	$\pm 1\%$ of rdg ± 2 digits
20mA	10 μ A	
200mA	100 μ A	$\pm 0.5\%$ of rdg ± 2 digits
10A	10mA	$\pm 3\%$ of rdg ± 2 digits

Transistor hFE Test (0-1000)

Range	Test Range	Test Current	Test Voltage
NPN/PNP	0-1000	I _b =10 μ A	V _{ce} =3V



UTLPT1 - Digital Pocket Thermometer

- One hour auto shut off
- 3.5" (97mm) stainless steel probe
- Presentable min/max temperature limit
- Temperature unit °F/°C selectable
- Data hold/test function selectable
- 1 Sec. normal temperature sensing time
- Protective sleeve w/ clip for steel probe
- Low battery indicator

Ambient temperature for plastic casing

-10 to 40°C or -14 to 212°F

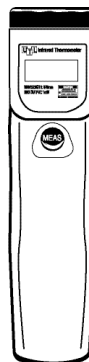
Battery

1 X 1.5V "G13/A76

Size or equivalent battery

Temperature

Range	Resolution	Accuracy
-58 to 302°F	$\pm 0.1^\circ$	$\pm 1.8^\circ\text{F}$ ranging from -22 to 320°F
-50 to 150°C	for -19.9 to 199.9° otherwise 1°	$\pm 1^\circ\text{C}$ ranging from -30 to 150°C



UTLIT1 - Infrared Thermometer

- Precision Laser Targeting
- Easy One Handed Operation
- 5 to 1 Spot Ratio
- 4 second auto-hold
- One Year Limited Warranty

Temperature

Range	Accuracy
-4 to 600°F	$\pm 3\%$ of reading -4 to 212°F $\pm 4\%$ of ranging 213 to 600°F



UTL7002 - Voltage Detector

- Detects live voltages
- Non-contact AC detection 50 to 500 ACV
- DC detection by contact 30 to 220 DCV
- Batteries included (AB13)
- One year limited warranty

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