

Testing Equipment

HVAC

Innovative Features
...Superior Value

PROFESSIONAL SERIES
HVAC TEST & MEASUREMENT

**KLEIN
TOOLS®**

Digital Clamps w/ Temperature

CL 1300, CL 2300



CL 1300

600A AC
Clamp w/ Temperature

- Backlit Display & Worklight
- Magnetic Mount & Lead Storage
- Non-Contact Voltage Tester
- Analog Bar Graph
- Temperature



CL 2300

600A AC / DC
TRMS Clamp w/ Temperature

- True RMS
- Backlit Display & Worklight
- Magnetic Mount & Lead Storage
- Non-Contact Voltage Tester
- Analog Bar Graph
- Temperature

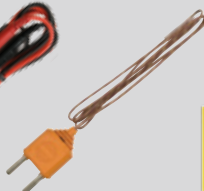


MEASUREMENT		CL1300	CL2300
$\tilde{A}$	AC Current	600A	600A
$\overline{A}$	DC Current	no	600A
$\tilde{V}$	AC Voltage	750V	750V
$\overline{V}$	DC Voltage	1000V	1000V
00.00	LCD Display	6000	6000
	Audible Continuity	●	●
Ω	Resistance Range	60M Ω	60M Ω
HOLD	Data Hold	●	●
AUTO	Auto Ranging	●	●
	Low Battery	●	●
Apo	Auto Power-Off	●	●
	Back Light	●	●
	Work/Clamp Light	●	●
Hz%	Frequency/Duty Cycle	●	●
Hz	Frequency Limit	499.9kHz	499.9kHz
μF	Capacitance	6000 μF	6000 μF
	Diode Test	●	●
NCV	Non Contact Voltage	●	●
MAX/MIN	Min/Max	●	●
	Magnetic Mount	●	●
	Lead Storage	●	●
μA	Micro Amps	$\geq 0.1\mu A$	$\geq 0.1\mu A$
	Bar Graph	●	●
$^{\circ}C$	Temperature	●	●
TRMS	True RMS	no	●
	Safety Rating	CAT IV 600V	CAT IV 600V

Includes:



Test Leads



Thermocouple



Batteries



Carrying Pouch



1000V
600V



Digital Multimeters w/ Temperature

MM 1300, MM 2300



MM 1300

Electrician's / HVAC Multimeter

- Backlit Display
- Analog Bar Graph



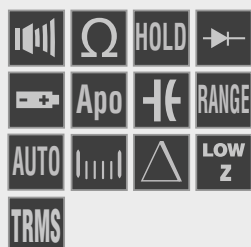
MEASUREMENT	MM1300	MM2300
$\tilde{V}$ AC Voltage	1000V	1000V
$\bar{V}$ DC Voltage	1000V	1000V
$\tilde{A}$ AC Current	10A	10A
$\bar{A}$ DC Current	10A	10A
$\overline{00.00}$ LCD Display	6000	6000
$\ $ Audible Continuity	●	●
Ω Resistance Range	60M Ω	60M Ω
AUTO/HOLD Auto Hold	●	●
$\rightarrow $ Diode Test	●	●
$-+$ Low Battery	●	●
Apo Auto Power-Off	●	●
$\odot$ Back Light	●	●
μA Micro Amps	$\geq 0.1\mu A$	$\geq 0.1\mu A$
$\parallel$ Capacitance	6000 μF	6000 μF
RANGE Range Hold	●	●
AUTO Auto Ranging	●	●
Hz Frequency Limit	499.9kHz	499.9kHz
MAX/MIN Min/Max	●	●
$ $ Bar Graph	●	●
F$^{\circ}$C Temperature	-58 ~ 1832 $^{\circ}$ F	-58 ~ 1832 $^{\circ}$ F
Hz% Frequency / Duty Cycle	●	●
Δ Relative Reading	●	●
$\frac{LOW}{Z}$ Low Impedance	no	●
TRMS True RMS	no	●
$\triangle$ Safety Rating	CAT IV 600V	CAT IV 600V



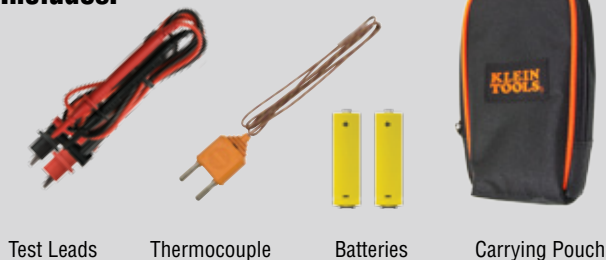
MM 2300

Electrician's / HVAC TRMS Multimeter

- True RMS Measurements
- Backlit Display
- Analog Bar Graph



Includes:



Digital Temperature Loggers

DTL 302, DTL 304

HVAC

TESTING EQUIPMENT



DTL 302

Dual Input Temperature Logger

- IP67: Water Proof/Dust Resistant
- Differential T1-T2
- Data Logging
- 9,999 Memory Positions
- MIN, MAX, AVG & Hold

J-type	-346° to 2192°F
K-type	-328° to 2498°F
T-type	-418° to 752°F
E-type	-238° to 1832°F

FEATURES

J, K, T & E Thermocouple Types

Differential Temperature

Data Logging

9,999 Memory Positions

USB Interface
(Software included)

Thermocouple
Temperature Offset

MIN/MAX/Average/Hold

Backlit Display

Probe Storage

Boot w/ Stand &
Magnetic Strap Mount

Compliance Rating IP67



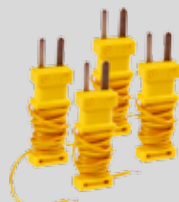
DTL 304

Quad Input Temperature Logger

- IP67: Water Proof/Dust Resistant
- Differential T1-T2 & T3-T4
- Data Logging
- 9,999 Memory Positions
- MIN, MAX, AVG & Hold



Includes:



Thermocouples



Magnetic
Hanger Strap



USB Power
Adapter



Batteries



30:1 Infrared Thermometer

IR 3000



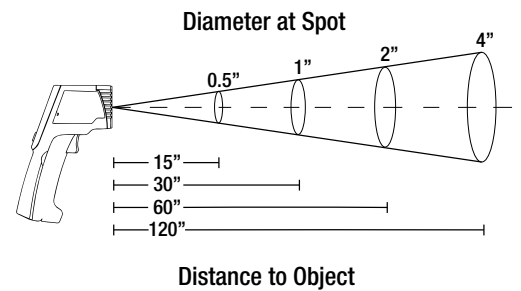
IR 3000

30:1 Infrared Thermometer Dual Laser Targeting

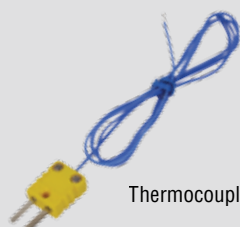
- Distance to Spot 30:1
- -76° ~ 1400°F (-60 ~ 760°C)
- K-Type thermocouple Input
- Dual Lasers allow you to see the actual target diameter



FEATURES		IR3000
Temperature Range	°F	-76 ~ 1400°F -60 ~ 760 °C
K-Type Thermocouple Range	°F	-83.2 ~ 2552°F -64 ~ 1400°C
Dual Laser Targeting		●
Emissivity		0.10~1.00
High/Low Alarms		●
Backlit Display	☀	●
Worklight	💡	●
°F/°C Button		●
Max / Min / Average / Differential	MAX/MIN	●
Auto Shut Off / Seconds	Apo	60 sec



Includes:



Thermocouple



Protective Boot



Batteries



Carrying Pouch



Electronic Voltage Testers

ET 100 & ET 200

Features:

- Measures AC and DC voltage at nine common levels up to 600V
- Bright LED's indicate voltage reading without batteries installed
- Low impedance input reduces possibility of ghost voltages
- Molded lead holders are perfect for easy measurements of tamper proof outlets

Additional features for the ET200

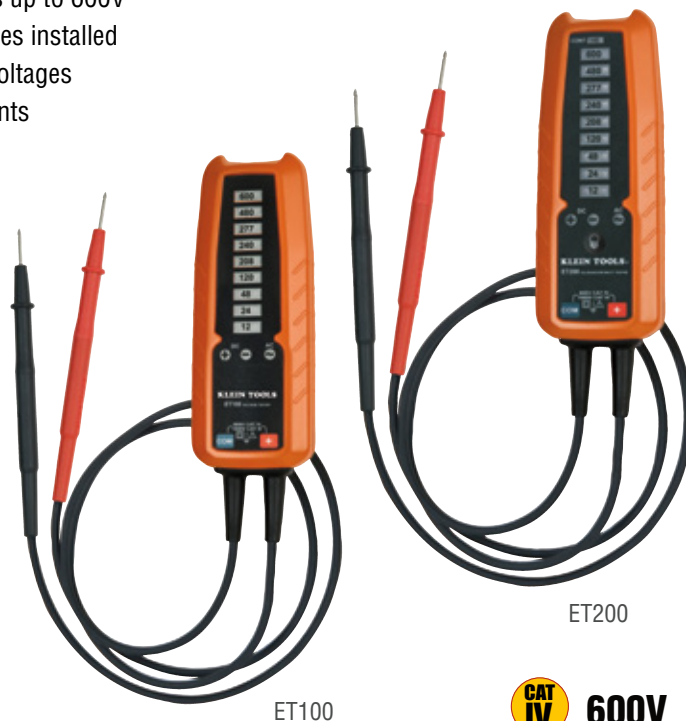
- Bright worklight to illuminate your work space
- Audible continuity at less than 270kHz



ET100



ET200



ET100

ET200



600V

Non-Contact Voltage Testers

NCVT-1 & NCVT-2

Features:

- Non-Contact voltage detection of voltage in cables, cords, circuit breakers, light fixtures, switches, outlets and wires
- When voltage is detected, a high intensity, bright red LED illuminates and a warning tone sounds

Additional features for the NCVT-2

- Automatically detects both low and standard voltages



NCVT-1

NCVT-2



600V

Dual Range



⚠WARNING: Read, understand, and follow all instructions, cautions and warnings attached to and/or packed with all Test and Measurement devices before each use.

**KLEIN
TOOLS®**

See our complete line of Test and Measurement products at

www.kleintools.com



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Printed in U.S.A. 96125