

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

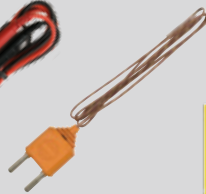
- True RMS
- Backlit Display & Worklight
- Magnetic Mount & Lead Storage
- Non-Contact Voltage Tester
- Analog Bar Graph
- Temperature

MEASUREMENT		CL1300	CL2300
\tilde{A}	AC Current	600A	600A
\bar{A}	DC Current	no	600A
\tilde{V}	AC Voltage	750V	750V
\bar{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
$\text{--}\text{C}$	Capacitance	6000 μ F	6000 μ F
	Diode Test	●	●
NCV	Non Contact Voltage	●	●
MAX/MIN	Min/Max	●	●
	Magnetic Mount	●	●
	Lead Storage	●	●
μ A	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



Digital Multimeters w/ Temperature

MM 1300, MM 2300



MM 1300

Electrician's / HVAC Multimeter

- Backlit Display
- Analog Bar Graph

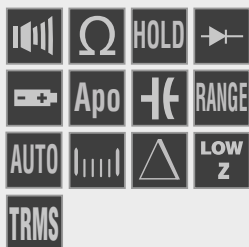


MM 2300

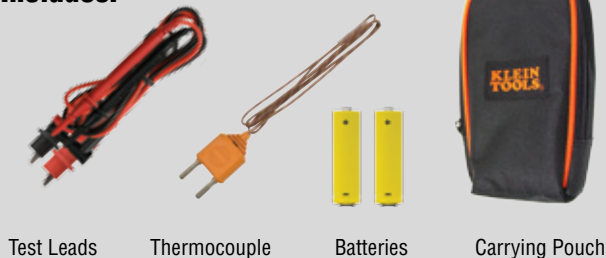
Electrician's / HVAC TRMS Multimeter

- True RMS Measurements
- 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
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	$\geq 0.1\mu A$	$\geq 0.1\mu A$
 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	●
\blacktriangle Safety Rating	CAT IV 600V	CAT IV 600V



Includes:



Test Leads

Thermocouple

Batteries

Carrying Pouch



Digital Temperature Loggers

DTL 302, DTL 304



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

F°C	IP67	↔	MIN/MAX
AVG	HOLD	Apo	☀

CE

Includes:



Thermocouples



Magnetic
Hanger Strap



USB Power
Adapter



Batteries



30:1 Infrared Thermometer

IR 3000



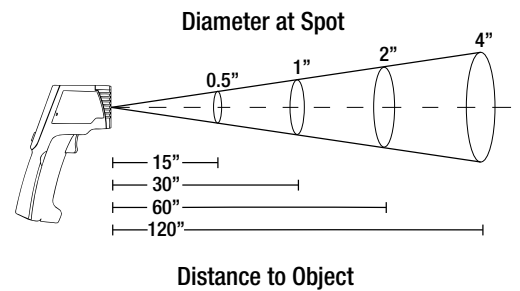
IR 3000

30:1 Infrared Thermometer Dual Laser Targeting

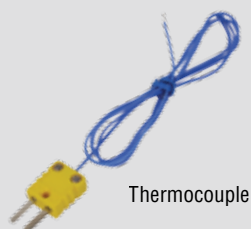
- Distance to Spot 30:1
- -76° ~ 1400°F (-60 ~ 760°C)
- K-Type thermocouple Input
- Dual Lasers allow you to see the actual target diameter



FEATURES		IR3000
Temperature Range	F°C	-76 ~ 1400°F -60 ~ 760 °C
K-Type Thermocouple Range	F°C	-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:



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

CAT IV 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

CAT IV 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

