





FEATURES

- IP54 Water proof
- True RMS / Dual Display
- Auto/Manual Ranging
- AC+DC, Min/Max/Peak Hold, Low Pass Filter Function
- Flex Current Probe (option)
- 16,000 Data Logger Records (270P)
- EN 61010, CAT IV 600V, CAT III 1000V

GENERAL SPECIFICATIONS

- Numerical Display: 4 digital liquid crystal (LCD)
- Battery Life: 60hrs Approx (alkaline battery)
- Low Battery Indication: The [] is displayed.
- Sampling Rate: 2 Times/sec
- Power Source: UM4 or AAA 1.5V size battery X 3
- Auto Power Off: 30 minute.
- Operating temperature: 0°C to 40°C (32°F to 104°F), < 80%RH
- Storage Temperature and Humidity: -10°C to 60°C (14°F to 140°F), < 80%RH
- Jaw Opening Diameter: 35 mm max.
- Dimensions/ Weight: 259(L)×89(W)×42.5(H)mm/ Approx.392g
- Accessories: Carrying Case, Batteries, USB A-TYPE C CABLE, Type K Thermocouple Probe, Instruction Manual & Test Lead.
(Option: 270i-18 Flex Current Probe)

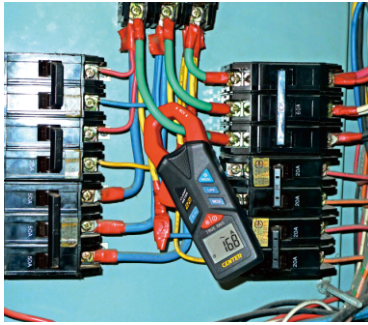
ELECTRICAL SPECIFICATIONS

Function	Range	Resolution	Accuracy
DC Voltage	60V/600V/1000V	0.01V/0.1V/1V	±1%rdg+2dgts
AC Voltage	60V/600V/1000V	0.01V/0.1V/1V	±1.2%rdg+5dgts
DC+AC Voltage	60V/600V/1000V	0.01V/0.1V/1V	±1.5%rdg+5dgts
DC Current	300A/1000A	0.1A/1A	±2%rdg+5dgts
AC Current	300A/1000A	0.1A/1A	±2.5%rdg+5dgts
DC+AC Current	300A/1000A	0.1A/1A	±3%rdg+5dgts
Flex Current	300A/3000A	0.1A/1A	±3%rdg+5dgts
Ohms	600Ω/6KΩ/60KΩ/600KΩ	0.1Ω/0.001KΩ/0.01KΩ/0.1KΩ	±1.2%rdg+3dgts
Continuity (•))	Buzzer < 15Ω	0.1Ω	±1.2%rdg+3dgts
Cap	6uF/60uF/600uF/6mF	0.001uF/0.01uF/0.1uF/0.001mF	±3.5%rdg+10dgts
Temp(K thermocouple)	-100°C~500°C/-148°F~932°F	0.1°C/0.1°F	±0.5%rdg+3.5°C/6.0°F
Hz (Current)	1000Hz/10KHz	0.1Hz/0.001KHz	±0.2%rdg+2dgts
Hz (Voltage)	1000Hz/10KHz/100KHz	0.1Hz/0.001KHz/0.01KHz	±0.2%rdg+2dgts
LoZ Voltage	60V/600V	0.01V/0.1V	±3%rdg+5dgts

* The specifications and other information in this catalogue are subject to change without prior notice.

CENTER 22 TRMS AC Clamp Meter (Pocket Size)

CENTER 22/23 is our new pocket size clamp meter. Its small size and NCV function make it a perfect carry around tool for everyday use. Despite its size, this meter is a true RMS clamp meter with inrush function and 600V CATIII certified. It uses easy to get AAA battery for longer operating time. If DC current measuring is needed, CENTER 23 will be the one to be chosen.



FEATURES:

- Pocket Size Clamp Meter
- AC Current Measuring Capability Up To 400Amps
- True RMS Measurement On AC Mode
- Inrush Current Measurement
- NCV(Non-contacted Voltage Detection) Function
- LPF (Low Pass Filter) Function
- Data Hold Function
- Auto Power Off(15 min) Function
- Backlight Function



SPECIFICATIONS

Function	Range	Resolution	Accuracy
ACA (Autorange)	40.00 A	10 mA	± 2.0%rdg +5dgts
	400.0 A	100 mA	
NCV	80V ~ 600VAC	Indicator: 4 tone beeper alarm & 4 segment LCD display	

Display	3 3/4 digital Liquid display, maximum reading 3999
Sampling Rate	2 times/sec
Battery	1.5V, size AAA battery x 2
Dimensions	149x59x27.5 mm
Weight	approx. 148g
Maximum Jaw Opening	∅ 23mm

CENTER 23 TRMS AC/DC Smart Clamp Meter (Pocket Size)



FEATURES:

- Pocket Size Clamp Meter
- AC Current Measuring Capability Up To 400Amps
- True RMS Measurement On AC Mode
- Inrush Current Measurement
- NCV(Non-contacted Voltage Detection) Function
- LPF (Low Pass Filter) Function
- Data Hold Function
- Auto Power Off(15 min) Function
- Backlight Function
- DCA Zero Function Key



SPECIFICATIONS

Function	Range	Resolution	Accuracy
ACA (Autorange)	40.00 A	10 mA	± 2.0%rdg +5dgts
	400.0 A	100 mA	
DCA (Autorange)	40.00 A	10 mA	± 1.8%rdg +10dgts
	400.0 A	100 mA	
NCV	80V ~ 600VAC	Indicator: 4 tone beeper alarm & 4 segment LCD display	

Display	3 3/4 digital Liquid display, maximum reading 3999
Sampling Rate	2 times/sec
Battery	1.5V, size AAA battery x 2
Dimensions	149x59.5x27.5 mm
Weight	approx. 140g
Maximum Jaw Opening	∅ 23mm

CENTER 27 TRMS AC Clamp Meter (AC1000A, Slim & Lightweight Size)



CENTER 27/28 are our lightweight clamp meters. With its less than 160g weight and roughly 20mm average thickness, it fits the side pocket on our pants well. Even though it is easy to be carried around, these meters comply with IEC1010 600A CATIII and can measure up to 1000A.

FEATURES:

- Slim and Lightweight Size
- True RMS Measuring
- Measuring Current : AC 1000A
- Data Hold Function
- MinMax Function
- Auto Power Off
- Autoranging



SPECIFICATIONS

Function	Range	Resolution	Accuracy
ACA	600A/1000A	0.1A/1A	± 1.9%rdg ± 5dgts
ACV	6V/60V/600V	0.001V/0.01V/0.1V	± 1.2%rdg ± 5dgts
DCV	6V/60V/600V	0.001V/0.01V/0.1V	± 1%rdg ± 2dgts
Ohms	600Ω/6KΩ/60KΩ/600KΩ	0.1Ω/0.001KΩ/0.01KΩ/0.1KΩ	± 1%rdg ± 2dgts

CENTER 28 TRMS AC Clamp Meter (AC1000A, Slim & Lightweight Size)



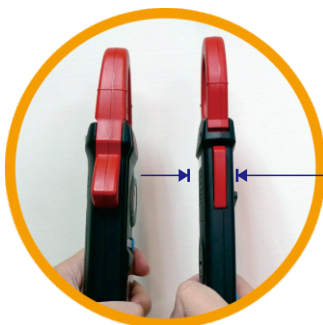
FEATURES:

- Slim and Lightweight Size
- True RMS Measuring
- Measuring Current : AC 1000A
- Data Hold Function
- 1ms Peak Hold Function
- Capacitor Function
- Measuring Frequency From Current
- Clamp & Test Terminal
- Auto Power Off
- Autoranging



SPECIFICATIONS

Function	Range	Resolution	Accuracy
ACA	600A/1000A	0.1A/1A	± 1.9%rdg ± 5dgts
ACV	6V/60V/600V	0.001V/0.01V/0.1V	± 1.2%rdg ± 5dgts
DCV	6V/60V/600V	0.001V/0.01V/0.1V	± 1%rdg ± 2dgts
Ohms	600Ω/6KΩ/60KΩ/600KΩ	0.1Ω/0.001KΩ/0.01KΩ/0.1KΩ	± 1%rdg ± 2dgts
Capacitance	6uF/60uF/600uF	0.001uF/0.01uF/0.1uF	± 3%rdg ± 10dgts
Hz(A)	600Hz/6KHz	0.1Hz/0.001KHz	± 0.2%rdg ± 2dgts
Hz(V)	600Hz/6KHz/60KHz	0.1Hz/0.001KHz/0.01KHz	± 0.2%rdg ± 2dgts
Duty Cycle(%)	1 ~ 99%	0.1%	± 0.5%



Slim and Lightweight Size

Display	4 digital Liquid display, maximum reading 6000
Sampling Rate	2 times/sec
Battery	CR2032(3VDC) battery x 1
Dimensions	207x 66x 26 mm
Weight	approx. 153g
Maximum Jaw Opening	∅ 40mm

CENTER 24/26 Flexible AC Current Meter

For the application on bigger conducting bars or some locations ordinary clamps are hard to reach, CENTER 24/25/26 flexible AC clamps will be the proper tools. These clamps come with different sizes and different diameters and scale ranges start from 4A to 3000A.

FEATURES:

- Measurement Ranges: 30A/300A/3000A AC(25/26); 4A/40A/400A AC(24)
- Output Sensitivity: 100mV/10mV/1mV per Amp (25)
- Output Resolution (LCD Display): 0.01A/0.1A/1A (26) ; 0.001A/0.01A/0.1A (24)
- 5.5mm coil diameter allows measurement in tight spaces (Double insulated) (24)
- 8.5mm coil diameter allows measurement in tight spaces (Double insulated) (25/26)
- 10" flexible sensor fit around conductors up to 3.2" in diameter(25/26)
- 18" flexible sensor fit around conductors up to 5.8" in diameter
- Dual banana plug termination for direct input into DMM (25)
- Flashing LED low battery indicator(25)
- TRMS Reading (24/26)

SPECIFICATIONS

Function	Range	Resolution	Accuracy
CENTER 24	4A/40A/400A	0.001A/0.01A/0.1A	3%rdg ± 5dgts
CENTER 26	30A/300A/3000A	0.01A/0.1A/1A	3%rdg ± 5dgts
CENTER 25	30A/300A/3000A	100mV/10mV/1mV per A (AC coupled)	± 1% of full scale (45 ~ 65Hz)
Frequency Range	45 ~ 500Hz		
Phase Error	< ± 1°		
Position Sensitivity	± 2%(24); ± 3% (25/26)		
Noise	0.03A/0.075A/0.5A(25)		
Display	4 digital Liquid display, Maximum reading 4200(24) 4 digital Liquid display, Maximum reading 3150(26)		
Sampling Rate	2 times/sec		
Battery	1.5V, size AAA battery x 2		
Probe Cable Length	8" _203 mm(24); 10" _254mm(25/26) ; 18" _458mm(25/26)		
Cable Length	approx.196g(24); 325g(25); 286g(26)		
Dimensions(Meter)	120X70X26 mm		
Weight	approx.196g(24); 325g(25); 286g(26)		

CENTER 25 Flexible AC Current Probe



24_8" 1.5m(5ft) Cable Length



25_10" 1.8m(6ft) Cable Length

25_18" 1.8m(6ft) Cable Length

26_10" 1.8m(6ft) Cable Length

26_18" 1.8m(6ft) Cable Length



LED Back Light

The comparison table of clamp meter

FUNCTION TABLE									
MODEL	CENTER 200	CENTER 201	CENTER 202	CENTER 210	CENTER 211	CENTER 212	CENTER 221	CENTER 222	CENTER 223
ACA	•	•	•	•	•	•	•	•	•
DCA		•				•		•	•
ACV	•	•	•	•	•	•	•	•	•
DCV	•	•	•	•	•	•		•	•
Ohm(Resistance)	•	•	•	•	•	•	•	•	•
Continuity (→)))	•	•	•	•	•	•	•	•	•
Diode (→)				•	•	•			
Frequency (Hz)	•		•	•	•	•			
Data Hold Function	•	•	•	•	•	•	•	•	•
Peak Hold Function				•	•	•		•	•
MAX/MIN Function				•	•	•			
Zero Function		•		•	•	•		•	•
True RMS			•		•	•			
Auto Power Off	•	•	•	•	•	•		•	•
IEC61010	600V CAT II	600V CAT II	600V CAT II	1000V CAT II	1000V CAT II	1000V CAT II	600V CAT II	600V CAT II	600V CAT II

FUNCTION TABLE									
MODEL	CENTER 232	CENTER 235	CENTER 250	CENTER 251	CENTER 252	CENTER 260	CENTER 261	CENTER 262	CENTER 265
ACA	•	•	•	•	•	•	•	•	•
DCA	•				•	•	•	•	
ACmA		•					•		•
DCmA							•		
AC + DCmA							•		
DCuA				•					
ACV	•	•	•	•	•	•	•	•	•
DCV	•	•	•	•	•	•	•	•	•
Capacitance				•			•		
Ohm(Resistance)	•	•	•	•	•	•	•	•	•
Continuity (→)))	•	•	•	•	•	•	•	•	•
Diode (→)							•		
Frequency (Hz)		•	•						
Data Hold Function	•	•	•	•	•	•	•	•	•
Peak Hold Function	•			•	•				•
MAX/MIN Function		MAX				•		•	
Zero Function	•	•			•	•	•	•	•
Inrush Function			•						
Temp Function				•					
True RMS	•	•	•	•	•	•	•	•	•
Watt	•								
Back Light	•	•	•	•	•	•	•	•	•
Flash Light						•	•		
LPF Function									•
Auto Power Off	•	•	•	•	•	•	•	•	•
IEC61010	600V CAT III	600V CAT III	600V CAT III	600V CAT III	600V CAT III	300V CAT III	600V CAT III	300V CAT IV	600V CAT III

The comparison table of Sound Level Meters

FUNCTION TABLE

MODEL	CENTER 20	CENTER 21	CENTER 22	CENTER 23	CENTER 24	CENTER 25	CENTER 26	CENTER 27	CENTER 28
ACA	•	•	•	•	•	•	•	•	•
DCA				•					
ACV	•	•						•	•
DCV	•	•						•	•
Capacitance		•							•
Ohm(Resistance)	•	•						•	•
Continuity (->))	•	•						•	•
Diode (->))		•							
Frequency (Hz)		•							•
Data Hold Function	•	•	•	•	•		•	•	•
Peak Hold Function									•
MAX/MIN Function					•		•	•	
Inrush Function			•	•					
Zero Fucntion				•					
True RMS			•	•	•		•	•	•
Duty Cycle									•
NCV Function		•	•	•					
Flexible Cable Length					8"	10"/18"	10"/18"		
Back Light		•	•	•	•		•		
Auto Power Off	•	•	•	•	•		•	•	•
IEC61010	600V CAT III	600V CAT III	600V CAT III	600V CAT III	1000V CAT III	1000V CATIII	1000V CAT III	600V CAT III	600V CAT III

STANDARD ACCESSORIES

MODEL	CENTER 200	CENTER 201	CENTER 202	CENTER 210	CENTER 211	CENTER 212	CENTER 221	CENTER 222	CENTER 223
Battery	•	•	•	•	•	•	•	•	•
Operation Manual	•	•	•	•	•	•	•	•	•
Test Lead	•	•	•	•	•	•	•	•	•
Carrying Case	•	•	•	•	•	•	•	•	•

STANDARD ACCESSORIES

MODEL	CENTER 232	CENTER 235	CENTER 250	CENTER 251	CENTER 252	CENTER 260	CENTER 261	CENTER 262	CENTER 265
Battery	•	•	•	•	•	•	•	•	•
Operation Manual	•	•	•	•	•	•	•	•	•
Test Lead	•	•	•	•	•	•	•	•	•
Thermocouple Probe				TP-K11					
Carrying Case	•	•	•	•	•	•	•	•	•

STANDARD ACCESSORIES

MODEL	CENTER 20	CENTER 21	CENTER 22	CENTER 23	CENTER 24	CENTER 25	CENTER 26	CENTER 27	CENTER 28
Battery	•	•	•	•	•	•	•	•	•
Operation Manual	•	•	•	•	•	•	•	•	•
Test Lead	•	•	•	•	•	•	•	•	•
Carrying Case			•	•				•	•

