



## Multifunction clamp RMS AC + DC



ref. A138



This multifunction clamp can be used intuitively with its navigation lever. The user selects the required function screen and the measurement type (AC, DC, AC+DC, PEAK, THD etc.) The clamp measures the rms values of current and voltage in DC, ACrms or DC+ACrms, active powers DC and AC,  $\cos\phi$ , THD and distortion rate to harmonic 25. Conventional functions (R, Hz,  $\mu\text{F}$ ,  $^{\circ}\text{C}$  etc.) are also available.

### FEATURES

- LCD 10 000 points, digit height 12mm
- Manual or auto measurements
- RMS measurements in AC and AC+DC
- 10mV to 1000V in DC, ACrms, DC+ACrms
- 10mA to 1000A in DC, ACrms, DC+ACrms
- Measurement of the call current up to 1400A AC
- Max and Min peaks in voltage and current
- Active power from 1W to 1000kW
- Power factor  $\cos\phi$  from -1.00 to +1.00
- Measurement of the THD and harmonics to row 25
- Resistance from 0.1ohm to 100kohms
- Sound continuity R< 30ohms and LED test
- Frequencemeter 0.01Hz to 10kHz
- Measurement of capacitances from 1nF to 4000 $\mu\text{F}$
- Measurement of temperatures from -50 $^{\circ}\text{C}$  to 1000 $^{\circ}\text{C}$
- Indication of the direction of rotation of the phases
- Contactless voltage detector
- Low-pass filter (removes noise)
- Reset button
- Bar graph
- Illumination of the cable to be tested when jaws open
- Display blocking. Backlit display
- Automatic shutdown after 15 minutes
- Low battery indicator
- Overvoltage category: Pol2 CATIV 600V CATIII 1000V
- Battery: pressure battery 9V (6F22)
- Dim: 257x87x50mm. Opening: 42mm Weight: 470g

FUNCTIONS	RANGES	best ACCURACY
VDC*	100.00 - 1000.0V	0.7%+2dgt
VACrms* & VDC+VACrms	100.00-1000.0V. Bandwidth 50~500Hz	1%+5dgt
MAX & MIN (VAC only)	140.0 - 1400V	3%+15dgt
IDC	100.00 - 1000.0A	1.5%+5dgt
IACrms & IDC+ IACrms	100.00-1000.0A. Bandwidth 50~400Hz	1.5%+5dgt
MAX & MIN in IAC	140.0 - 1400.0A	3%+15dgt
Frequency	100.00-1000.0Hz-10.000kHz	0.5%+3dgt
THD total harmonic distorsion	100.0 %	3%+10dgt
Harmonic distorsion 1 to 12	100.0 %	5%+10dgt
Harmonic distorsion 13 to 25	100.0 %	10%+10dgt
Inrush current	100.00-1000.0A	2.5%+5dgt
Active power WAC+WDC	10.000-100.00-1000.0kW	*
$\cos\phi$	-1.00 to +1.00	3%+1dgt
Resistance	1000.0 $\Omega$ -10.000-100.00k $\Omega$	1%+3dgt
$\rightarrow$   $\rightarrow$   $\rightarrow$	Ring if R< 30 $\Omega$ / Max voltage 1.8V	
Capacitance	4.000-40.000-400.0-4000 $\mu\text{F}$	1.9%+8dgt
Temperature $^{\circ}\text{C}$	-50 $^{\circ}\text{C}$ à 1000 $^{\circ}\text{C}$	1%+1 $^{\circ}\text{C}$
Overload protection	1000Vrms 1000Arms	

\*Impedance : 3.5M $\Omega$  //100pF AC & DC