

Special clamps

# High voltage clamps

## PI-23

High voltage clamps



### Description

- Open clamps can be used to measure current in points where the power supply can not be interrupted

### Application

- Check currents circulating through the line
- Assessment of network losses
- Carry out studies to prevent overheating
- PI-23 Applications:** This clamp has been designed to measure the maximum current circulating through the line
- The clamp has a display that shows the maximum value of the current measured
- The measurement is taken while using a safety system that prevents the effects of the clamps on the current when the clamp is placed or taken out of the line.

### Features

Maximum voltage	36 kV	
Maximum measurement current	400 A (2 scales)	
Maximum conductor diameter	25 mm	
<b>Voltage circuit</b>		
Battery	9 V, 6F22	
Frequency	50 Hz (60 Hz, on demand)	
Backlit	LCD	
Digits	3	
Accuracy	± 2 %	
<b>Build features</b>		
Degree of protection	IP 50	
Weight (without battery)	290 g	360 g with receiver
<b>Standards</b>		
<b>61010 Electrical safety</b>		

### References

I <sub>max</sub>	U <sub>max</sub>	∅ max	Type	Code
400 A	36 kV	25	PI-23 + case (50 Hz)	M80132
400 A	36 kV	25	PI-23 + case (60 Hz)	M80132001
6 m Pole (3 sections of 2 m)				M89941

## Special clamps

# Clamps with logger

## CPL

Clamps with memory



### Description

- Current sensing clamps that measure and integrate the current in true root mean square.
- Internal memory used to store mean values (128 kB)
- Measurement in true root mean square
- Maximum and minimum current values
- Trigger option
- Real-time clock to record events
- PC connection to program and obtain data recorded

### Features

Voltage circuit	
Through an external power supply unit	230 Vac ( $\pm 15\%$ )
Self-power supply	$I > 15\% I_n$
Frequency	50 ... 60 Hz
Measurement range	1 at 100% $I_n$
<b>Accuracy with external power supply</b>	1 % of the reading ( $\pm 2$ digits)
<b>Memory</b>	128 KB (> 8000 records)
<b>Type of memory</b>	Linear
<b>Safety</b>	Category III 640 V (self-power supply), <b>EN 61010</b>
Standards	
EN 60664, VDE 0110, UL 94, EN 60801, EN 6100, EN 61010-1	

### References

Measurement margin (external power supply)	Measurement margin (self-power supply)	Type	Code
5...500 A ac	75...500 A ac	<b>CPL-500</b>	<b>M81311</b>
10...1000 A ac	150...1000 A ac	<b>CPL-1000</b>	<b>M81312</b>
20...2000 A ac	300...2000 A ac	<b>CPL-2000</b>	<b>M81313</b>

Includes memory with power supply, RS-232 interface and PowerVision software