

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	
Voltage circuit		
Battery	9 V, 6F22	
Frequency	50 Hz (60 Hz, on demand)	
Backlit	LCD	
Digits	3	
Accuracy	± 2 %	
Build features		
Degree of protection	IP 50	
Weight (without battery)	290 g	360 g with receiver
Standards		
61010 Electrical safety		

References

I _{max}	U _{max}	∅ 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
Accuracy with external power supply	1 % of the reading (± 2 digits)
Memory	128 KB (> 8000 records)
Type of memory	Linear
Safety	Category III 640 V (self-power supply), EN 61010
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	CPL-500	M81311
10...1000 A ac	150...1000 A ac	CPL-1000	M81312
20...2000 A ac	300...2000 A ac	CPL-2000	M81313

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