



KIT 1-FLEX-R80

KIT 1-FLEX-R80, Flexible clamp

Code: M81612.

> Lenght: 80 cm > Nr Sensors: 1

> Usefull diam.(mm): 250

> Measurement Range (A): 10 ... 100 A / 100 ... 1000 A / 1000 ... 10000 A

> IΔn min.(A): 1 > I min: 1 | 10 | 500

Description

The flexible current sensor can take alternating current measurements from any installation with a full rejection of DC components, a very low consumption of power, with no saturation problems, a low temperature dependence and a very good linearity. The flexible sensor has been designed according to the Rogowsky coil principle, measuring alternating current irrespective of the position of the conductor. The current conductor must not be near the coil cable joint, since the degree of error increases in this area. Its centred location also reduces the impact of external magnetic fields. Thanks to the flexibility of the current sensor, one or more conductors can be surrounded, regardless of their shape, to perform current measurement actions.

Application

These flexible current sensors have been specially designed for the MYeBOX-150 and MYeBOX-1500 portable power analysers.







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Specifications

Protection class	IP 20 / IP 54 with terminal cover (optional) (for models Ø 85, 100, 116 mm)		
Relative humidity (without condensation)	1585 %		
Storage temperature	-4085 °C		
Working temperature	-2085 °C		
Mechanical characteristics			
Envelope	sensor material: Self-extinguishing UNE 21031 90 °C / Material couplings: PA V-0		
Weight (kg)	0,31		
Specific technical characteristics of current sensors			
External fields	± 2 %		
Maximum temperature coefficient	± 0,05 %		
Accuracy	±1%		
Linearity	(10100%) ± 0,2 %		
Position sensitivity (cable connection)	± 3 %		
Output voltage	76 μV/A a 50 Hz		
Current measurement circuit			
Nominal frequency	50Hz/60 Hz.		
Standards			
Electrical safety, Installation category	1000V CAT III / 600V CAT IV		
Electrical safety, Contamination level/class	Pollution resistance 2		
Standards	Dielectric strength IEC 61010-2-32 (5,4 kV 50 Hz)		
Electrical safety			
Insulation	Double-insulated electric shock protection class II (IEC 61010-1)		

FLEX-R

Flexible sensors for MYeBOX analysers

CODE	TYPE	Measurement Range (A)	Nr Sensors
Flexible Clan	nps		
M81611.	KIT 1 -FLEX-R45	10 100 A / 100 1000 A / 1000 10000 A	1
M81612.	KIT 1-FLEX-R80	10 100 A / 100 1000 A / 1000 10000 A	1
M81613.	KIT 1-FLEX-R120	10 100 A / 100 1000 A / 1000 10000 A	1









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Includes 3 clamps (kit-3), amplifier and 9 V power supply

