

## Flexible clamp series, FR-1050



Model	FR1050A	FR1050	FR1050E
Lenth	470 mm	470 mm	950 mm
Capable diameter	Ø150 mm	Ø150 mm	Ø300 mm
Range	0 A~10000 A	0 mA~10000 A	0 mA~10000 A
REslution	0.1 A	1 mA	1 mA

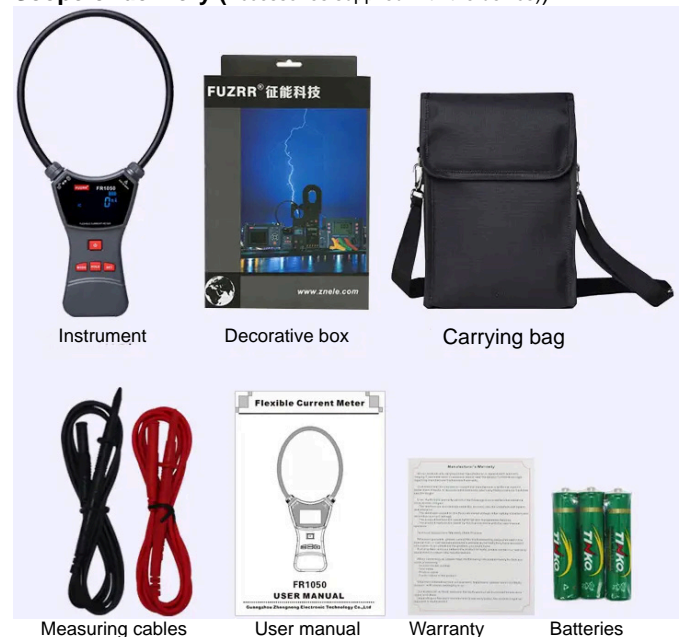
- ▶ AC voltage measurement: 0,0 ~ 750 V AC
- ▶ AC voltage resolution: 0,1 V
- ▶ DC voltage measurement: 0,0 ~ 1000 V DC
- ▶ DC voltage resolution: 0,1 V

The FR1050 flexible lock clamp is designed for measuring AC high currents and leakage currents. The device is characterised by high accuracy, good linearity and high interference noise suppression. The measurement range (depending on the design) ranges from mA to several thousands A, significantly increasing the usability of the device. The Rogowski coil design allows the device to be used even in hard-to-reach places. In addition to current measurement, the device also has the functions of AC and DC voltage measurement, adjustable threshold alarm, saving and recalling the measured values to the display.

### Specif cations

Functions current and leakage current measurement  
 Accuracy of current measurement:  $\pm 2\% \pm 5$  digits (current conductor in the middle of the coil)  
 AC voltage measurement:  
 Measuring range: 0.0... 750V AC  
 Resolution: 0.1V  
 Accuracy:  $\pm 1.5\% MF \pm 3$  digits  
 DC voltage measurement:  
 Measuring range: 0.0... 1000V AC  
 Resolution: 0.1V  
 Accuracy:  $\pm 1.5\% SD \pm 5$  digits  
 Sampling frequency: 2/sec  
 Power supply: 3\*1.5V alkaline batteries (1.5V AAAx3)  
 Low battery indication: empty battery symbol on the display  
 Backlit LCD  
 LCD size: 45x28 mm  
 Dimensions: W/H/D: 151\*100\*35 mm (without roll)  
 Thickness of the roll: Ø8 mm  
 Total weight of the instrument: 220g (with Ø150 mm measuring head, including batteries)  
 Overdrive indication: "OL" symbol on the display  
 Data storage: groups of 500 measured values, the saved values can be recalled to the display  
 Insulation resistance: 100M (at 1kV)  
 Operating temperature and humidity: -10... 40°C 70% RH  
 Storage temperature and humidity: -10... 60°C 80% RH  
 Relevant contact protection standards: IEC1010-1, IEC1010-2-032, pollution level 2, CAT III (600 V) IEC61326 (EMC standard)

### Scope of delivery (Accessories supplied with the device)



### RAPAS kft