

USER MANUAL

CAUTION



- This note must be read in full. Any operations on live conductors can be dangerous.
- The operator is expected to be fully aware of all necessary electrical safety regulations and procedures. Safe operation is this responsibility.
- It is up to the user to ensure that the equipment is at all times in its original safe conditions.
- Operate on ranges selector on the bottom part of clamp, free of instrument connection cable, (**see Figure**) to modify current ranges.

SPECIFICATIONS

Primary rates current:	10A, 100A, 1000A FS
Measuring range:	0,1 ÷ 10A / 0.5A ÷ 100A / 1A ÷ 1000A
Output signal:	1V
Protection:	By diodes
Ratio:	100mV/A – 10mV/A and 1mV/A
Accuracy:	See table
Max error:	2% (of reading)
Internal load:	10A=100Ω; 100A=10Ω; 1000A=1Ω
External min load:	100 times the internal load
Power measurement:	Take care to keep the conventional direction P1 ⇒ P2 rear of the arrows
Frequency range:	40Hz to 10000 Hz
Pollution degree:	2 according to IEC 1010-1
Dielectric strength:	5,5 KV 50 Hz 1 min
Temperature range:	-10 ÷ +50 °C
Overvoltage category:	CAT III 600V
"Opening" cable:	54 mm
"Opening" bus bars:	35x35mm or 50x12mm
Dimensions (mm):	105 x 225 x 31mm
Weight:	720 g
Output connection:	Shielded cable FM2R 2m long , ended with a FRB D01 connector

Ranges selector 10-100-1000A



ACCURACIES

10A FS	0.1 ÷ 0.5A	0.5 ÷ 2.0A	2.0 ÷ 10A
Accuracy % of output signal	±(2%rdg + 4mV)	±(2%rdg + 4mV)	±(0.5%rdg + 5mV)
Phase error [°]	not specified	10	5

100A FS	0.1 ÷ 1A	1 ÷ 20A	20 ÷ 100A
Accuracy % of output signal	±(2%rdg + 3mV)	±(1%rdg + 2mV)	±(1%rdg + 2mV)
Phase error [°]	2	1	1

1000A FS	1 ÷ 10A	10 ÷ 200A	200 ÷ 1000A
Accuracy % of output signal	±(1%rdg + 1mV)	±(1%rdg + 1mV)	±(1%rdg + 1mV)
Phase error [°]	1	1	0.5

Measurements performed with digital instrument, model 1.200.000 digits class 0.2 Cofrac traceable



CAUTION: this symbol indicates that equipment and its accessories shall be subject to a separate collection and correct disposal.