



ul. Konstytucyjna 79/81
95-200 Pabianice
tel/fax 48 42 2270971 POLAND
e-mail: fif@fif.com.pl

DMM-1T

DIGITAL MULTIMETER INDICATOR

one-phase



5 9 0 8 3 1 2 1 5 9 1 8 0 1

www.fif.com.pl

F&F products are covered by an 24 months warranty from date of purchase

PURPOSE

Multimeter DMM-1T is intended for monitoring parameters of one-phase electrical network.

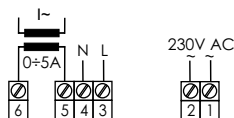
FUNCTIONS

- independent current measurement for each phase
- direct measurement 0+5A
- indirect measurement using current transformers in standard current work with 1+9000/5A range
- setting indicator to proper current transformer values using three buttons on the indicator's front
- phase voltage and phase to phase voltage measurement
- phase frequency measurement

TECHNICAL DATA

supply	230V AC
supply frequency	45+55Hz
current load max. current directly measurement	5A
possible type of relay to connect	1+9000/5A
range of measured voltage	0+400V AC
range of measured frequency	10+100Hz
report precision	1%±1digit
display	3×segment LED 14×8mm
power consumption	3VA
working temperature	-5+50°C
dimensions	96×96×92mm
assembling hole	92×92mm

WIRING DIAGRAM



FUNCTIONING

Multimeter present actual load of phase, phase voltage and frequency.

ASSEMBLY

1. Take OFF the power.
2. Take off side grappleds of assembling multimeter.
3. Put indicator in assembling hole.
4. Take on the assembling grappeleds and work to assembling frontage.
5. Power of multimeter connect to joints 1 and 2 with marks.
6. Voltage which is measurement connect to joints 3+5 with marks.
7. Loads of system put by measurement joints 3+5 with marks:
- for current <5A directly by multimeter
- for current >5A by measurement current relay with nominal secondary current 5A.
8. By buttons set value of primary current of used realy. It is need to reporting actual values of currents from measurement system by indicator.

Primary current settings of realsy.

Press button >2sec. Multimeter in measurement window display value 600, if is different value than by buttons set value 600. If you don't do this than multimeter display wrong value of voltage. Returnly press a button . Multimeter pass to settings mode of primary current of realy. In memory of indicator are save values of primary currents of current relays made in range 1+9000A. By buttons select value of primary current for relay which is connected. By button enter settings.