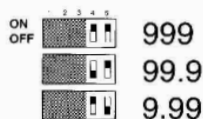


AC measurements (DI3-72.AV5/AV1)

4A. INPUTS

As indicated before, the instruments are suitable to measure both 1A / 5A currents and voltages up to 100V / 600V in the same case, according to the model. Use inputs 5 and 6 for current measurements and inputs 5 and 8 for voltage measurements as indicated in paragraph 1.

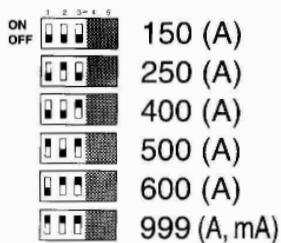
5A. DECIMAL POINT SELECTION



Remove the front cover of DI3-72 as indicated in figures 9 and 10. For the decimal point selection, use dip-switches 4 and 5 as shown in the figure on the left.

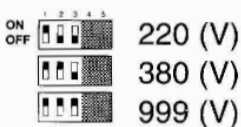
6A. CT / VT PRIMARY AND DIRECT CONNECTION SELECTION

Current measurements



CT connection: set dip-switches 1, 2 and 3 according to what is shown in the figure on the left. The different position of the decimal point allows you to change these scales into either: **15.0 - 25.0 - 40.0 - 50.0 - 60.0 - 99.9** or **1.50 - 2.50 - 4.00 - 5.00 - 6.00 - 9.99**.
Direct connection: set the dip-switches for 5A measurements as per 5.00 (A), for 1A measurements as per 999 (mA).

Voltage measurements



VT connection: set dip-switches 1, 2 and 3 according to what is shown in the figure on the left. The 100VAC input can be connected to a VT with a secondary of 100VAC and a primary of 220V, 380V or 1000V; the relating primary selection must be done as indicated on the left.

Direct connection: set the dip-switches for both 600VAC and 100VAC measurements as per 999 (V), and only for the second one, the decimal point position must be "99.9".

NOTE: the minimum measuring values for both the current and voltage inputs are 3% of the full scale (f.s.) except for the 600VAC input where the minimum measuring value is 5% of f.s.

7A. SWITCHING ON

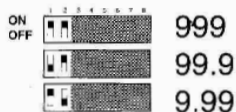
After setting the whole instrument, replace the front cover of DI3-72. Subsequently power the instrument; as soon as it is powered, it will show for a few seconds the selected primary range, for example "400" in case of "400 A" selection, and subsequently the measured value. If the display shows "000", it means that the primary range is of "999" and dip-switches 1, 2 and 3 are all in "ON" position, see paragraph 6.

DC measurements (DI3-72.AV6)

4B. INPUTS

As indicated before, the instruments are suitable to measure a current up to 1A (direct connection), a voltage up to 60mV (shunt connection for current measurement) and voltages up to 100V / 600V in the same case. Use inputs 5 and 6 for current measurements (1A), inputs 5 and 7 for current measurements (60 mV), and inputs 5 and 8 for voltage measurements as indicated in paragraph 1.

5B. DECIMAL POINT SELECTION

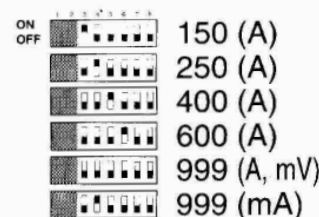


For the decimal point selection use dip-switches 1 and 2 as shown in the figure on the left.

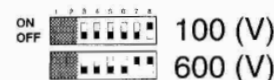
6B. SHUNT AND DIRECT CONNECTION SELECTION

Current measurements

Shunt connection: set dip-switches



Voltage measurements



NOTE: the measuring ranges for both the current and voltage inputs are from -99 to 999 in accordance with the dip-switch selection.

7B. SWITCHING ON

After setting the whole instrument, power the instrument; as soon as it is powered, it will show for a few seconds " - - - ", and subsequently the measured value.

NOTE

Inside the instrument there are some calibration potentiometers that are factory adjusted. To avoid any accuracy loss, please do not touch them.

WARNING

Do not touch the inside parts of the instrument when power supply and measuring inputs have already been connected to an electrical installation and the latter has been powered.



3, 4, 5, 6, 7 and 8 according to what is shown in the figure on the left. The different position of the decimal point allows you to change these scales into either: **15.0 - 25.0 - 40.0 - 60.0 - 99.9** or **1.50 - 2.50 - 4.00 - 6.00 - 9.99**.
Direct connection: set the dip-switches for 1A measurement as per 999 (mA).

Direct connection: set dip-switches 3, 4, 5, 6, 7 and 8 according to what is shown in the figure on the left. Only for the 100V measurement, the decimal point position must be "99.9".