DVM module pre-amp.

R1

0-500 mV input

shielded

CONN1

10K

R3

Ri

1K

optional resistor Ri

R5

R2

2

100K

68K

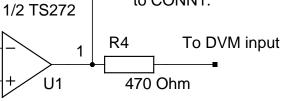
U1

gain:

Uout/Uin = 1 + Rn/R1 where Rn = R5||R2

The input impedance is over 1G Ohm. It is essential to shield this circuit otherwise it will catch all kinds of fields.

You can lower the input impedance by adding e.g. a 2M resistor (Ri) parallel to CONN1.



(c), Guido Socher, tuxgraphics.org

