DVM module pre-amp.

gain: \( \frac{U_{out}}{U_{in}} = 1 + \frac{R_2}{R_1} \)

Suggested values for \( R_1, R_2 \):
- \( \text{gain}=2: R_1=10\,\text{K}, R_2=10\,\text{K} \)
- \( \text{gain}=3.2: R_1=10\,\text{K}, R_2=22\,\text{K} \)
- \( \text{gain}=4.3: R_1=10\,\text{K}, R_2=33\,\text{K} \)
- \( \text{gain}=11: R_1=10\,\text{K}, R_2=100\,\text{K} \)

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 1M resistor (\( R_i \)) parallel to CONN1.

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