

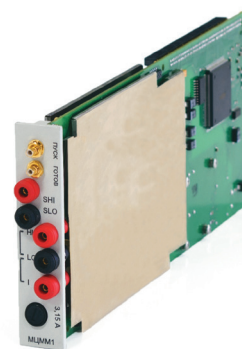
Digital multimeter **MDMM1**

- Digits of Resolution - 6.5
- Max. Reading Speed - 30.000 readings/s

MDMM1 is designed to measure direct and alternating current voltage, direct and alternating current strength, direct current resistance and the frequency of a periodic signal.

The MDMM1 mezzanine has isolated "floating" measuring input

In the modes of measuring DC voltage, DC current and DC resistance, the automatic zero adjustment function (APN) is available, which allows you to automatically eliminate the initial zero offset, as well as the time and temperature zero drift.



Specifications

DC voltage measurement up to 400 V in the measurement ranges: ± 100 mV; ± 1 V; ± 10 V; ± 100 V; ± 400 V	Measurement of direct current strength of positive and negative polarities up to 3 A in the measurement ranges: ± 10 mA; ± 100 mA; ± 1 A; ± 3 A
Measurement of resistance to direct current up to 100 MOhm using two-wire and four-wire measurement schemes in the measurement ranges: ± 100 Ohm; ± 1 kOhm; ± 10 kOhm; ± 100 kOhm; ± 1 MOhm; ± 10 MOhm; ± 100 MOhm	Measurement of the RMS value of AC voltage up to 300 V in the frequency range from 5 Hz to 300 kHz in the measurement ranges: ± 100 mV; ± 1 V; ± 10 V; ± 100 V; ± 300 V
Measurement of the RMS value of AC current up to 3 A in the frequency range from 5 Hz to 5 kHz in the measurement ranges: from 0 to 1 A; from 0 to 3 A	Frequency measurement of a periodic signal in the range from 5 Hz to 300 kHz with a signal amplitude of 10 mV to 350 V
Normal interference suppression coefficient with a frequency of 50, 60 and 400 Hz when measuring DC voltage, at least 60 dB	The interference suppression coefficient of a general form of direct current or alternating current with the frequency of the supply network in the mode of measuring direct current voltage under normal conditions, with an imbalance of the resistance of the external measuring circuits equal to 1 kOhm, not less than 120 dB
The number of decimal places of the indication of the measured value in the modes of measuring the DC voltage, DC current and DC resistance depends on the integration time and is: <ul style="list-style-type: none">• 4.5 bits at an integration time of 33.3 μs; 66.7 μs; 133.0 μs; 0.5 ms;• 5.5 bits at an integration time of 1, 2, 10 ms;• 6.5 bits at an integration time of 1, 10, 100 PPP	The value of the input resistance in the mode of measuring DC voltage: in the ranges of "100 mV", "1 V", "10 V": <ul style="list-style-type: none">• not less than 10 GOhm when the ABC mode is on (automatic selection of input resistance);• (10 ± 0.5) MOhm with AVS off;• in the ranges "100 V" and "400 V" is equal to (10 ± 0.5) MOhm
The maximum value of the voltage drop across the input circuit in the mode of measuring the DC current is not more than: 0.1 V range "10 mA"; 0.7 V range "100 mA"; 1 V in the range of "1 A"; 2 V range "3 A"	The maximum value of the voltage drop across the measured resistance when the measuring current flows through it is not more than 8 V