

**DC MILLIOHMMETERS AT HIGH CURRENT**

These equipments are used for measuring: resistors, motor winding, transformers, contact resistance of terminal block, thimble, wirings, etc. Measures are made with four wire reading system to delete error caused by connection's resistance between instrument and probe. DVM serie is the most complete and accurate on the market, with more different current models, controlled by MCU and design with AD-DA converters at 16 bit.

**FEATURES**

- Parameters displayed on the back-light LCD (2 strings for 20 digits)
- Setting and reading parameters with 16 bit accuracy.
- Menu for set up operating parameters, like as:
  - local programming by encoder;
  - RS232 or USB programming;
  - setting baud rate between 9,6 – 19,2 – 38,4 – 57,6 – 115,2 Kbps;
  - technical informations: ID, serial number, mains connection, fuse, options, etc.
- Stand-by function enables by: botton on front panel, remote contact (normally closed) or RS232-USB programming.

**SPECIFICATIONS**

MAINS CONNECTION	230Vac +/-10% 50-60Hz (others on request)
VOLTAGE:	programmable 0 to 3 Volt
CURRENT:	programmable 0 to the maximum range value
THERMAL STABILITY	0,01% for 8h after warm-up
TEMPERATURE COEFFICIENT	0,01% / °C after 30' warm-up
OPERATING TEMP. RANGE	0 - 40 °C
PARAMETERS ON LCD	ID; simultaneous display of: applied voltage, voltage drop, current and resistance value; CC – Constant Current mode; OT – Over Temperature activation with stop and sound signalling device; UNR – condition of impossibility of regulation; OUT – device works normally; StBy – device in stand-by via front panel or RS232-USB; StBR – device in stand-by via remote contact opening; Other symbols indicating: up, down, right, left, enter, remote sense activation, millesimal encoder rotation, remote programming activation (RS232, USB), etc.
LINE PROTECTION	Through fuse on rear panel
OVERCURRENT PROTECTION	Limitation at programmed current value and up to 100% of the nominal device's current
THERMAL PROTECTION	Electronic thermostat controlled by MCU
COOLING	Forced thermo-regulated fan cooling controlled by MCU with pwm
INPUT	Floating and insulated 630 Vdc
OPTION	Kit for mounting DVM in 19" 3U rack case, complete with handles (code KIT3U).



**Standard models**

DVM SERIE									Kg
	Max. Volt output	Min. current	Max. current	Step current	Min. resistance	Max. resistance	Max. voltage drop	DIM mm	
<b>DVM100 3V10A</b>	3 V	1 mA	10 A	0,17 mA	0,1 μΩ @ 10 A	10 Ω	1 Volt	410x132x360	14
<b>DVM200 3V25A</b>	3 V	1 mA	25 A	0,17 mA	0,1 μΩ @ 25 A	10 Ω	1 Volt	410x132x360	16
<b>DVM300 3V50A</b>	3 V	1 mA	50 A	0,17 mA	0,1 μΩ @ 50 A	10 Ω	1 Volt	410x132x360	18