



3.5 DIGITS LED DC VOLTAGE MODULE – UP5135G

Improved from our popular item UP5135 with SMD ICs and components, and keeping all of its functions and useful features.

1. Employed a renowned industrial grade A/D IC, with its high impedance, good linearity and adjustable Voltage Reference, it is not only directly used as a precision DC Voltmeter/Current meter, but also may become a Digital Thermometer, Hygrometer and pH meter etc. with the sensor and its linear compensation circuit.
2. Single End/Differential Input and basic range (BR) or range BRx100 may be selected by a jumper on PCB.
3. With header pin for Inputs, Functions and Decimal Point (D.P.) select. 79 x 43mm plastic frame with plug-in-self-clip mounting. Standard is DC 5V P/S and ranges DC 199.9mV/19.99V ; May be order ranges DC 1.999V/199.9V or special P/S from DC 6V – 12V.

SPECIFICATIONS

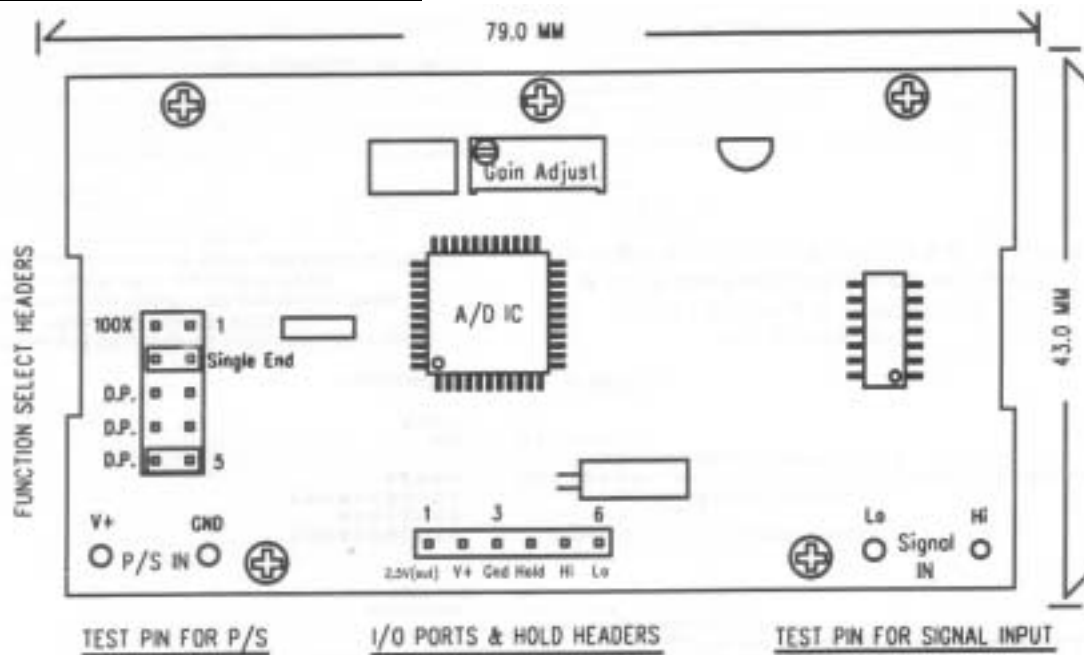
POWER SUPPLY	- DC 5V, <80mA
DISPLAY	- 3 1/2 digit red LED with D.P., Digit high 14.2MM (0.56")
OVER RANGE	- Show "1" on left of the display
CONVERSION RATIO	- Approx. 2.5 time per second
FULL SCALES	- DC +/-199.9mV/19.99V or 1.999V/199.9V
INPUT IMPEDANCE	- 200mV/2V >1,000M ; 20V/200V 1 M
ACCURACY & LINEARITY	- 0.2% of reading + 1 digit & +/- 1 digit
TEMP. COEFFICIENT	- Better than 100 PPM/
OTHERS	- Auto zero/polarity & Hold reading; DC2.5V Ref. Voltage Output(1mA)
OP. TEMP. & HUMIDITY	- 0 - 50 & <90%
DIMENSION & WEIGHT	- 79 x 43 x 25MM & 45G
PANEL CUT-OUT/THICKNESS	- 76 X 40/1 – 3MM
CONNECTIONS	- 6P Single line header for I/O 5P dual line header for functions & D.P. select by jumper
ACCESSORY	- 1 pc. of 6P socket with wires (length 150MM)

APPLICATIONS

Direct use: DC Voltage/Current DPM

May be Digital Meters: Thermometer, Hygrometer, pH, Bridge readout, Ohms, Power, AC voltage, AC current, Capacitance, Digital scale and Power supply readout ...

OUTLINE AND DIMENSIONS



6P (1 x 6P) I/O HEADER DEFINITIONS

- | | |
|--|------------------------------------|
| (1) 2.5V Ref. Voltage Output (refer to Lo pin) | (2) Power supply: DC V+ |
| (3) Power supply: G | (4) Hold reading: to DC 5V+ = Hold |
| (5) DCV signal input: Hi | (6) DCV signal input: Lo |

Remark: You may only use the inputs of P/S and Signal either from Test Pins or Header pins.

5P (2 x 5P) HEADER FOR FUNCTIONS AND D.P. SELECT

No.	"On" Meaning *	"OFF" Meaning	Default Set
(1)	Basic range x 100 available	Basic range available	OFF
(2)	Single end input available	Differential input available	ON
(3)	1 Decimal point ON	The Decimal point OFF	OFF
(4)	1 Decimal point ON	The Decimal point OFF	OFF
(5)	1 Decimal point	The Decimal point OFF	ON(for 200mV)

* Note: Put a jumper into the horizontal 2 pins is ON; No jumper on the pins is OFF.

HOW TO MAKE DVM TO A DC CURRENT METER

- 1) The total Watt. of the R_s must be noticed, the wire round resistor is recommended.
- 2) The meter must be in 200mV range for the DC current meter.

