

# MAXTECH® MDP72 Series Digital Panel Meter Manual

(Application: Voltage, Ampere, Pressure Meter, Linear Meter can be ordered)

## FEATURES:

Visible big LED display

- ★ Input signal transferred by Dual Slope ADC
- ★ Antidisturbance and precise measurement



## SPECIFICATION

- ★ Power Supply : 220VAC±10% 50/60Hz

Power Consumption: ≤4VA

- ★ Input Signal : Current 5A Direct ( ≥5A must be used with C.T. )

Voltage 500V Direct ( ≥500V must be used with Potential Transformer. )

Analog Input: 0-5VDC, 0- 10VDC, 0-20mA or other analog signal by order

- ★Maximum measuring range : 1999 ( 0-1999 adjustable )

- ★Input Resistance : Analog Signal : >220KΩ

Voltage Signal : >900 KΩ

Current Signal : <0.1Ω

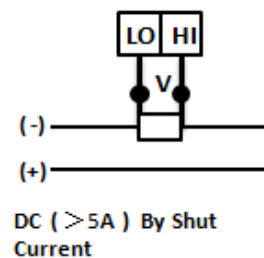
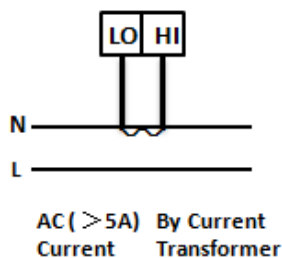
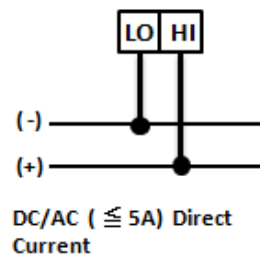
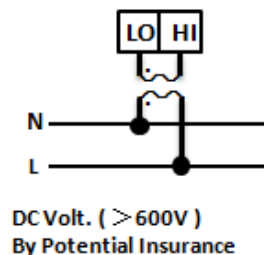
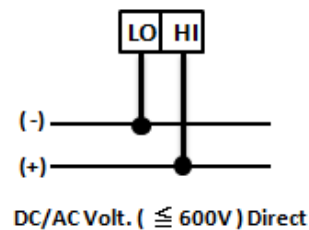
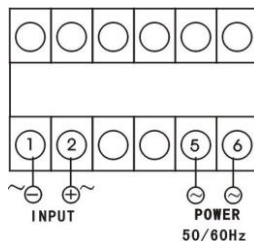
- ★Resolution : 0.001

- ★Isolated Resistance : >100MΩ /500VDC

- ★Accuracy : <±0.5%FS±1 Digit

- ★Dielectric Strength : >2.5KV/1min

## DIAGRAM:



**REGULATE EXPLANATION:**

A. Our Linear meters provide the extra zero adjustment which is used in some special and serious disturbance environments caused that input signal is at 0, but display is not at 0. In this case, removing front panel to see Zero VR then making display to 0. (The function is only available in Linear Meters.)

B. The VR with “Range” Stickers, it can calibrate the range with signal simulators.

C. Decimal points and Zero/Span adjustment with installed plugs:

**Plug 1** in different pin no. means the different decimals on display:

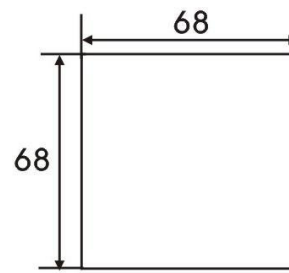
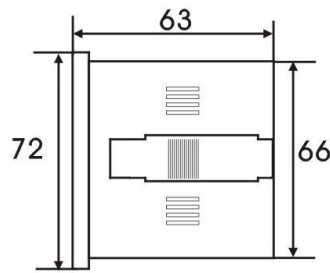
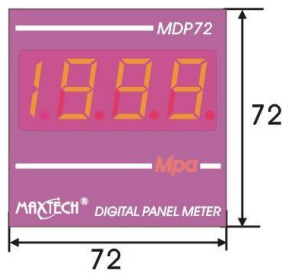
Pin. No.	1	2	3
Decimal points	x.xxx	xx.xx	xxx.x

**Plug 2** in different pin no. to set quickly the percentage of zero and span from 100% ex-factory value without using the signal simulators.

Pin No.	4	5	6	7	8	9	10	11	12
% of ex-setting value	15%	25%	30%	40%	50%	60%	75%	90%	100%
Example range	300	500	600	800	1000	1200	1500	1800	1999

**\*\*B or C is selected one way for calibration. (Except decimal points)**

**DIMENSION:**



Cut-Out

**WARNING:**

- ★ Working Ambient Temperature and Humidity Range: 0-40°C/below 85%
- ★ Preventing from high shaking, dust, chemical, or dangerous gas environment
- ★ Preventing input signal disturbance situation, otherwise making serial connection with signal filter on Input terminal. Input Signal cable with insulated shelter is better.
- ★ Pre-Heating on 15 Mins is necessary for the precise measuring.
- ★ Calibration Ex-factory is effective for 1 year. For long time storage, please supply power supply to MDP72 for lasting 4 hours and once three month.