

## Main specification

## ▼ Dimension

96 x 48 mm

## ▼ Power supply (voltage)

AC/DC 100-240 /

AC/DC 24-60V

## ▼ Allowable power supply voltage range

AC/DC 85~ 265V /

AC/DC 22~90V

## ▼ Input signal (Voltage) range

0-50mV / 0-5V / 1-5V / 0~10V

/ 0-36V / 0-300V / 0-600V

## ▼ Input signal (Current) range

0-20μA / 0-200 μA / 0-2 mA /

0-20 mA / 0-200mA / 4-20mA

/ 0-2A / 0-5A / 0-10A

## ▼ Output signal

Analog output /

DC 0(4)~20mA / 0~5(10)V

## ▼ Alarm

2-4 Relays / 2-4 Open

collectors

## ▼ Operating temperature

0°C to +60°C

## ▼ Storage temperature

-10°C to 70°C

## ▼ Operating humidity

20-90% R.H. (non-condensing)

## ▼ Storage humidity

20-90% R.H. (non-condensing)

## ▼ Temperature coefficient

≤ 100ppm/°C (0~60°C)

## Other specification

## ▼ Power consumption

&lt; 6VA (full mode)

## ▼ Accuracy

Display: ±0.2% (±1 digit)

Analog output: ±0.2%

## ▼ Housing material

PC UL-94V0

## ▼ Installation type

Panel mount

## ▼ Sampling type

Double slope integration

## ▼ Sampling cycle

16 cycles/sec

## ▼ Parameter setting

Click button to set parameter

## ▼ Display screen

0.8" high brightness red LED

(with overload and reversed

polarity indication)

## ▼ Display range

-19999~99999

Zero adjustment: -19999~99999

## ▼ Output adjustable range

Zero: -40% ~ +40%

Span: -40% ~ +20%

## ▼ Output resolution

15 bit

## ▼ Output response time

&lt; 250 ms (0~90%)

## ▼ Output capability

&lt;0.2W; load 500Ω

Voltage output (10V): ≤ 20mA

Current output (20mA): ≤ 10V

## ▼ Input impedance

Voltage input:

&gt; 2V: 20KΩ/V

≤ 2V: higher than 200MΩ

Current input:

≥ 0.2A: about 100mV

(end pressure drop)

&lt; 0.2A: 1V (end pressure drop)

## ▼ Communications protocol

RS-485 Modbus RTU mode

## ▼ Baud rate

38400 / 19200 / 9600 / 4800 bps

## ▼ Insulation property

Among input/output/power/case

## ▼ Insulation impedance

≥100MΩ / DC 500V

## ▼ Voltage endurance test

2KVac/1min (input/power)

## ▼ Weight

About 450g

## ▼ Accessory

Facing / Terminal block case /

Support rack / Screws

## 5-digit Multi-Function Panel Meter

### (AC Average Value Type)

#### Model: ATM-MF5H-A

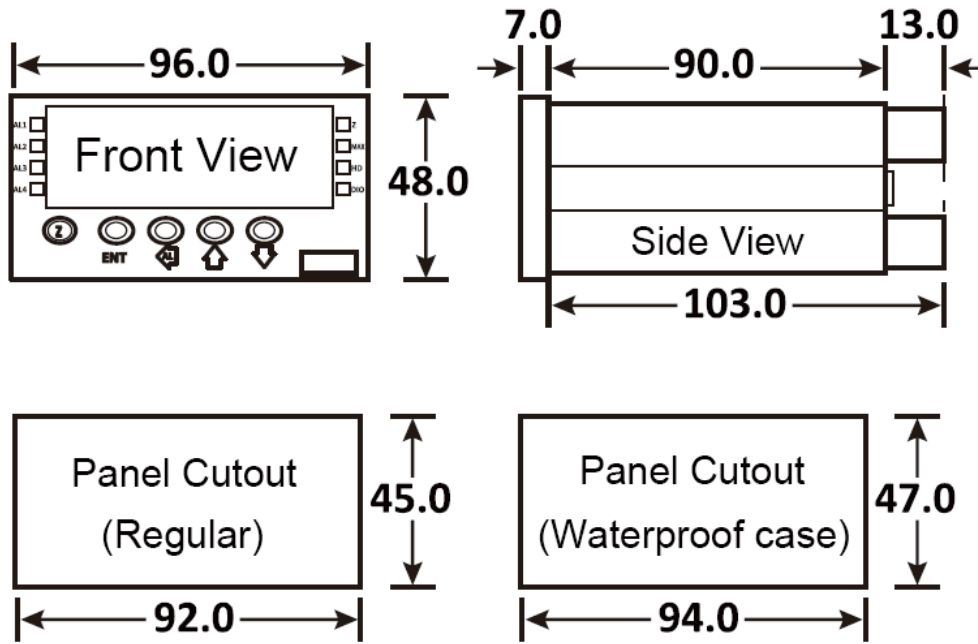


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

## Features

- OEM service
- High accuracy 0.2% (± 1 digit)
- Wide voltage (up to 600V) and current (up to 10A) range
- High voltage (up to 10μV) and current (10μA) display resolution
- Adjustable decimal point
- High security and stability
- Flameproof case (PC)
- Extensive tested product, comply with CE certificate
- Protection level IP 65  
(Install a waterproof case is needed, optional)

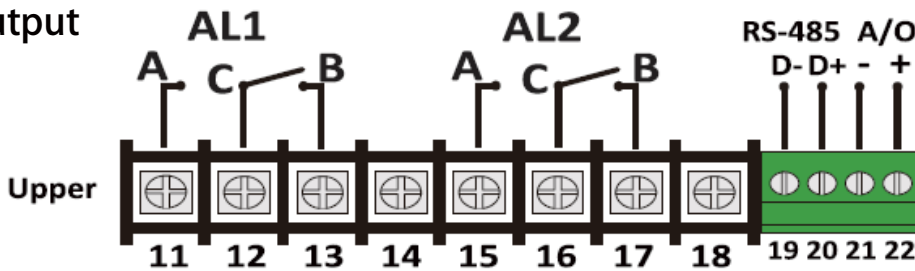
Dimension



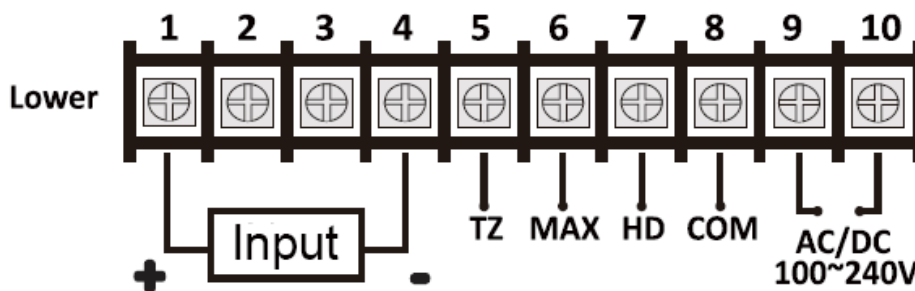
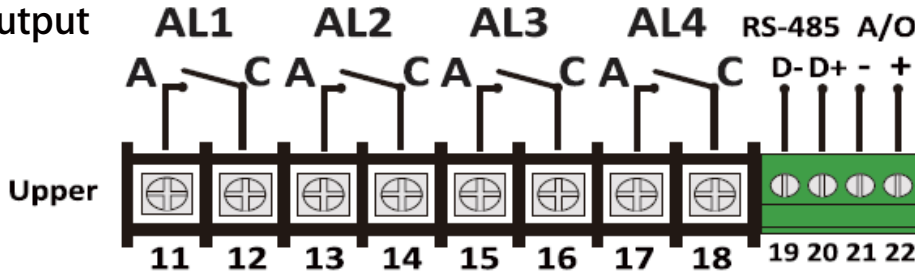
Unit: mm

Wiring diagram

2 Alarms Output



4 Alarms Output



## How to Order

ATM-MF5H-A		5-digit Multi-Function Panel Meter (AC Average Value Type)			
Code		Voltage Input Range		Current Input Range	
V1	A1	0~50mV		0~20μA	
V2	A2	0-5V		0~200μA	
V3	A3	1-5V		0-2mA	
V4	A4	0-10V		0-20mA	
V5	A5	0-36V		0~200mA	
V6	A6	0-300V		4-20mA	
V7	A7	0-600V		0-2A	
x	A8	x		0~5A	
x	A9	x		0~10A	
VO	AO	Others		Others	
		Code	Power supply		
		A	AC/DC 100-240V		
		D	AC/DC 24-60V		
		O	Others		
		Code	Alarm type		
		N	None		
		R2	2 Relays		
		R3	3 Relays		
		R4	4 Relays		
		O2	2 Open collector		
		O3	3 Open collector		
		O4	4 Open collector		
		Code	Analog output		
		N	None		
		A	4-20mA		
		V	0-10V		
		O	Others		
		Code	RS485		
		N	None		
		Y	Yes		
		Code	Other requests		
		/A	Third party notarized document		
		/B	Inspection report (issued by Re-Atlantis)		
		/C	Tag		
		/D	Dust cover		
		/E	Protective waterproof case		
		/F	Auto reset to zero function		
		/G	Regular or peak value hold		

ATM-MF5H-A	A6	D	R2	A	N	
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