# Company profile

Supmea®

**Committed to**

**process automation solutions**

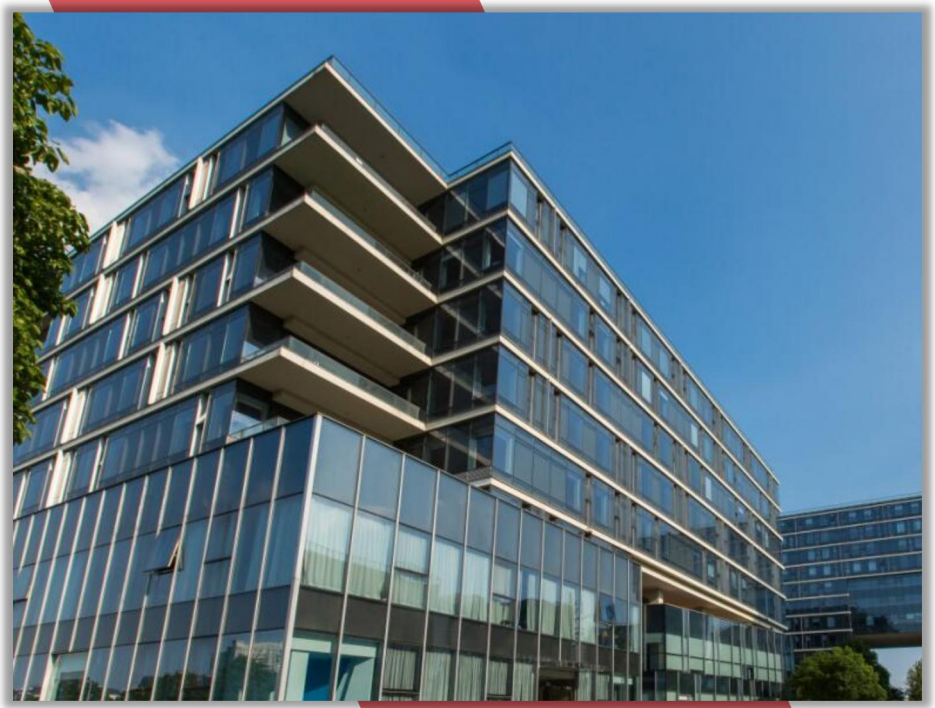
Recorder Flow Pressure Temp Analyzer Level

# Supmea Automation Co., Ltd

Supmea is committed to industrial process automation sensors and instrument since its establishment for decades. The main products are water analysis instrument, recorder, pressure transmitter, flowmeter and other field instrument.

By 2020, Supmea has a wide quantities of R&D researchers and engineers, more than 250 employees in the total group. With diverse market needs and global customers, Supmea has established and/or in preparation its office in Singapore, Philippines, Malaysia, India etc.

Customer centric, Supmea will continuously be committed process automation sensors and instrument, playing an indispensable role in supporting world industries more intelligent and efficient.



# Main product- Recorder

Recorder Flow Pressure Temp Analyzer Level

# SUP-6000F Paperless Recorder

Recorder Flow Pressure Temp Analyzer Level

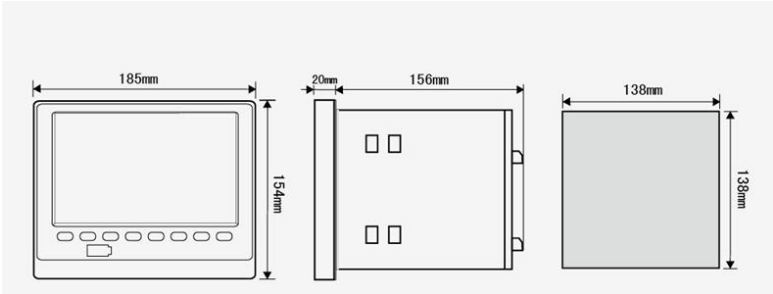
## Introduction

SUP-R6000F Paperless recorder is with outstanding specifications features like high performance and powerful extended functions. With high visibility Color LCD display, it is easy to read data from the meter. Universal input, high speed of sampling speed and accuracy make it reliable for industry or research application.

## Parameters

| | |
|---|---|
| Product | Paperless recorder |
| Model | SUP-R6000F |
| Display | 7 inch TFT display screen |
| Input | Up to 36 channels of universal input |
| Relay output | 2A/250VAC, Max 8 channels |
| Weight | 1.06kg |
| Communication | RS485, Modbus-RTU |
| Internal memory | 128 Mbytes Flash |
| Power supply | (176~264)VAC，47~63Hz |
| Dimensions | 193*162*144mm |
| Shorter mounting depth | 144mm |
| DIN panel cutout | 138*138mm |

## Dimension



# Main product- Flowmeter

Recorder Flow Pressure Temp Analyzer Level

# SUP-LDG Magnetic Flowmeter

Recorder Flow Pressure Temp Analyzer Level

## Parameters

| | |
|---|---|
| Product | Electromagnetic flowmeter |
| Model | SUP-LDG |
| Diameter Nominal | DN15~DN1000 |
| Nominal Pressure | DN10 - DN250, PN<1.6MPa |
| | DN300 – DN1000, PN<1.0MPa |
| | DN1200 – DN2200, PN<0.6MPa |
| Accuracy | ±0.5%， ±2mm/s(flowrate<1m/s) |
| Repetitiveness | 0.2% |
| Liner material | PFA, F46, Neoprene, PTFE, FEP |
| Electrode material | Stainless steel SUS316, Hastelloy C, Titanium, |
| | Tantalum, Platinum-iridium |
| Medium Temperature | Integral type: -10℃~80℃ |
| | Split type: -25℃~180℃ |
| Ambient Temperature | -10℃~55℃ |
| Power supply | 100-240VAC，50/60Hz / 22VDC—26VDC |
| Electrical conductivity | Water 20μS/cm other medium 5μS/cm |
| Structure type | Tegral type, split type |
| Ingress protection | IP65, IP68(optional) |
| Product Standard | JB/T 9248-2015 |

## Introduction

SUP-LDG Magnetic flowmeter operate under the principle of Faraday's Law of Electromagnetic Induction to measure liquid velocity. Following Faraday's Law, magnetic flowmeter measure the velocity of conductive liquids in pipes, such as water, acids, caustic and slurry. In order of usage, magnetic flowmeter use in water/waste water industry, chemical, food and beverage, power, pulp and paper, metals and mining, and pharmaceutical application.

# Main product- Pressure

Recorder Flow Pressure Temp Analyzer Level

# SUP-P300 Pressure Transmitter

Recorder Flow Pressure Temp Analyzer Level

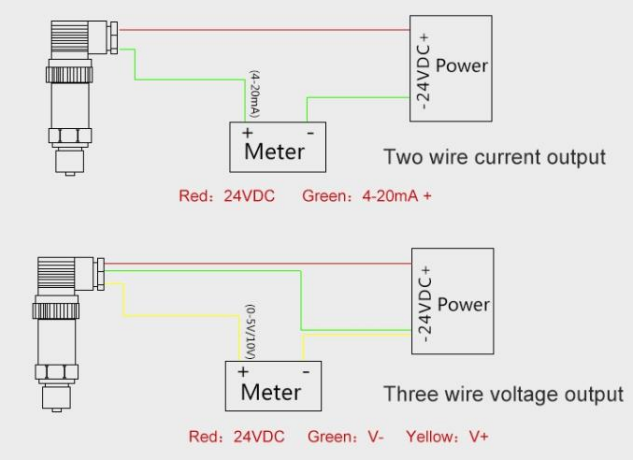
## Introduction

SUP-P300 is a piezoresistive pressure sensor with compact design and stainless steel body SS304 and SS316L diaphragm, can work in the non-causticity environment, with 4-20mA signal output. P300 series is widely applied in pressure measurement for aviation, aerospace, automobile, medical treatment equipment, HVAC etc

## Parameters

| | |
|---|---|
| Product | Pressure transmitter |
| Model | SUP-P300 |
| Measure range | -0.1MPa~60MPa |
| Accuracy | 0.5% F.S; 0.3%F.S optional |
| Output signal | 4-20mA; 1-5V; 0-10V; 0-5V; RS485 |
| Temperature compensation | -10 ~ 70 ℃ |
| Working temperature | -20 ~ 85 ℃ |
| Medium temperature | -20 ~ 85 ℃ |
| Storage temperature | -40 ~ 125 ℃ |
| Pressure overload | 150%FS |
| Power supply | 24VDC(9 ~ 36V) |

## Wiring



# Main product- Temperature

Recorder Flow Pressure Temp Analyzer Level

# SUP-ST500 Temperature Transmitter

Recorder Flow Pressure Temp Analyzer Level

## Introduction

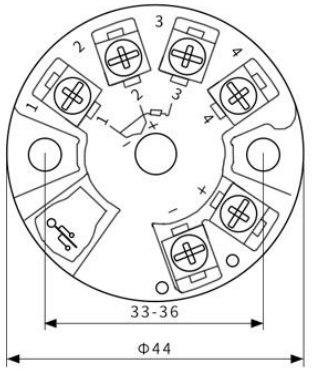
SUP-ST500 Head Mounted Smart Temperature transmitter is used for Resistance Thermometer(RTD), Thermocouple (TC), Resistance transmitter, Voltage(mV) signal input , two wire 4-20 mA analogue output, mounted inside temperature sensor

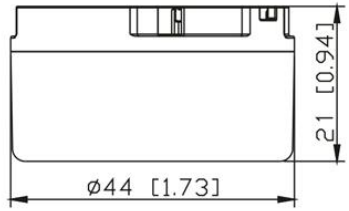
## Parameters

**Input Type Table:**

| Model | Type | Measurement scope | Minimum measurement scope |
|---|---|---|---|
| Resistance temperature detector (RTD) | Pt100 | -200~850℃ | 10℃ |
| | Cu50 | -50~150℃ | 10℃ |
| Thermocouple (TC) | B | 400~1820℃ | 500℃ |
| | E | -100~1000℃ | 50℃ |
| | J | -100~1200℃ | 50℃ |
| | K | -180~1372℃ | 50℃ |
| | N | -180~1300℃ | 50℃ |
| | R | -50~1760℃ | 500℃ |
| | S | -50~1760℃ | 500℃ |
| | T | -200~400℃ | 50℃ |
| | Wre3-25 | 0~2315℃ | 500℃ |
| | Wre5-26 | 0~2310℃ | 500℃ |

## Dimension



# Main product- Analyzer

Recorder Flow Pressure Temp Analyzer Level

# SUP-PH6.0 pH Controller

Recorder Flow Pressure Temp Analyzer Level

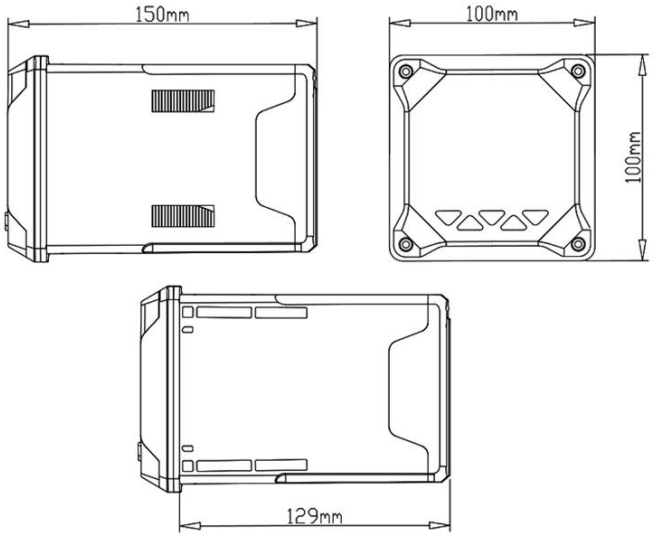
## Introduction

SUP-pH6.0 industrial pH meter is an online pH analyzer which applied in chemical industry metallurgy, environment protection, food, agriculture and so on. With 4-20mA analog signal, RS-485 digital signal and relay output. Can be used for industrial processes and water treatment processes pH control, and support remote data transmission, etc.

## Parameters

| | |
|---|---|
| Product | pH meter, pH controller |
| Model | SUP-pH6.0 |
| Measure range | pH: 0-14 pH, ±0.02 |
| | ORP: -1000 ~1000mV, ±1mV |
| Resolution | 0.01pH; 1mV |
| Stability | pH:≤0.02pH/24h; ORP: ≤3mV/24h |
| Measuring medium | Liquid |
| Input Resistance | ≥10~12Ω |
| Temp compensation | Manual/ Auto temperature compensation |
| Temperature Range | 0~100℃, NTC10K or PT1000 |
| Communication | RS485, Modbus-RTU |
| Signal output | 4-20mA, maximum loop 750Ω, 0.01%FS |
| Power supply | AC220V±10%, 50Hz |
| Relay output | 250V, 3A |

## Dimension



# Main product- Level

Recorder Flow Pressure Temp Analyzer Level

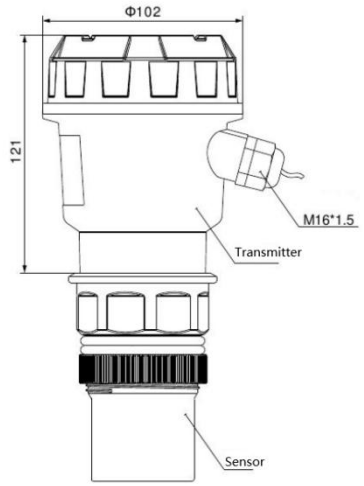
# SUP-MP-A Ultrasonic Level Meter

Recorder Flow Pressure Temp Analyzer Level

## Introduction

SUP-MP-A ultrasonic level meter taking the advantages of various many level measuring instruments, is a universal one characterized by total digitalize and humanized design. It has perfect level monitoring, data transmission and man-machine communication. It is featured by strong anti-interference performance; free setting of upper and lower limits and online output regulation, on-site indication.

## Parameters

| | |
|---|---|
| Product | Ultrasonic level meter |
| Model | SUP-MP-A |
| Measure range | 5、8、10、12、15、20、25、30m |
| Blind zone | <0.4-1.8m (different for range) |
| Accuracy | 0.3%F.S |
| Display | OLED |
| Frequency | 20~350KHz |
| Output (optional) | 4~20mA RL>600Ω (standard) |
| | RS485 |
| | 2 relays (AC: 5A 250V DC: 10A 24V) |
| Material | ABS |
| Electrical interface | M20X1.5 |
| Power supply | 12-24VDC |
| Power consumption | <1.5W |
| Protection degree | IP65(others optional) |

## Dimension