

Rail Mounting Meter

Features

- Standard 35mm DIN rail mounting
- All display and control function can be ordered
- All parameters can be displayed obviously
- Support inner-cabinet mounting



Inductive/Capacitive Proximity Sensor

Features

- With various diameter
- Plastic enclosure and metal enclosure
- Double-wire connecting and three-wire connecting
- Working mode: NPN normal open, NPN normal close
PNP normal open, PNP normal close



Solid State Relay

Features

- Adopting high performance control silicon
- Conventional type and intensive type SSR can be selected
- Safe form design
- Insulation voltage $\geq 2000V$ AC



HG series Timer Relay

Features

- High timing accuracy
- Power fail memory
- Multiple measure range



Timing range	0.01s-999.9H	Accuracy	$\pm 0.5\%F.S$
Time delay range	0.1s-999.9H	Power consumption	$\leq 6W$
Work ambience	0-50 °C, <85%RH	Insulated Impedance	$\geq 10M \Omega$ DC 500V
Working life	Mechanical life: above 5million times Electrical life: 100000 times under rate load	Power supply	50Hz/60Hz AC 220/110V $\pm 10\%$ HG4justwith220Vpowersupply

Products

- Frequency\industrial frequency\Tacho meter
- Voltage/ampere meter
- Intelligent temperature controller
- Rail mounting meter
- Single phase coulometer
- Counter \ Timer relay
- Sensor indicator
- Inductive\capacitive proximity sensor
- Solid state relay \ Power adjustor

Meters & Instruments



3-Phase Power Recorder



Rail Mounting Power Meter



3-Phase LCD Display Power Meter

Intelligent temperature controller

TC Series Intelligent temperature controller

Features

- With display\control\alarm function
- Two freedom degree PID arithmetic
- With heating control & auto-tuning function
- Dial setting and key setting selectable

**Specification**

Measure range for K type thermocouple input	0-400°C	Power supply	100-240V AC/DC
Measure range for Pt100 type thermocouple input	0-600°C	Power consumption	<5W
Input mode	Single input	Resolution	1°C
Capacity of chief control relay	10A/250V AC	Sample cycle	<0.1s
Capacity of alarm control relay	3A/220V AC	Accuracy	±0.5%
Dimension	4\6\7\9\80	Work ambience	0-50°C <80% RH

TF Series Intelligent temperature controller

Features

- With display\control\alarm function
- Two freedom degree PID arithmetic
- With heating control & auto-tuning function
- TC/RTD multiple input

**Specification**

Measure range for K type thermocouple input	-20-1300°C	Power supply	AC 110V/220V±10%
Measure range for Pt100 type thermocouple input	-199.9-610°C	Power consumption	<5W
Input mode	TC/RTD multiple input	Resolution	Pt100 0.1°C K 1°C
Capacity of chief control relay	10A/250V AC	Sample cycle	<0.1s
Capacity of alarm control relay	3A/220V AC	Accuracy	±0.5%
Dimension	4\6\7\8\9\80	Work ambience	0-50°C <80% RH

TR-W Series Intelligent temperature controller

Features

- With display\control\alarm function
- Two freedom degree PID arithmetic
- With 4-20mA analog output
- TC/RTD multiple input
- With Rs485 interface

**Specification**

Panel protection level	IP 65	Power supply	100-240V AC/DC
Input mode	TC/RTD multiple input	Accuracy	±0.5%
Communication	Rs485 communication interface Modbus protocol	2 relay contact capacity	AC 250V/3A Or DC 30V/5A
Dimension	4\6\7\8\9	Work ambience	0-50°C <80% RH
Control mode	ON/OFF control and PID control		

Intelligent Temperature Adjustor

AN708 Series Intelligent Adjustor

Features

- Multiple signal input, suitable for most sensors
- Dual freedom degree PID arithmetic
- With Rs485 communication, Modbus protocol
- Multiple alarm output

**Specification**

Power supply	AC/DC: 100-240V 50/60Hz	Power consumption	5 W
Accuracy	±0.3%FS	Sampling cycle	250 ms
Work ambience	0-50°C <80% RH	Response time	≤0.3s
Insulation Impedance	100M Ω	Dielectric strength	1500V AC / min
Power interference	≥2 KV	Resolution	RTD: 0.1°C, TC 1°C
Output capacity	Relay capacity: 250V AC/3A, 24V DC/5A Voltage output: 24V DC/30mA Current output: Load ability≤600Ω	Input signal	TC: K, S, R, T, E, J, B, N RTD: Cu50, Pt100, Cu100 Linear voltage: 0-10V, 0-50mV Linear current: 4-20mA Linear resistance: 0-400Ω

TV Series Refrigerator Temperature Controller

Features

- Manual /automatic electrical heating defrosting function
- Timing or temperature setting defrosting stop function
- Fan control/sensor disconnection protect/power fail memory function

**Specification**

Measure range	-40°C-90°C	Power supply	AC/DC: 100-240V 50/60Hz
Input	Two NTC-10K thermistor	Power consumption	5 W
Ambient temperature	0°C-50°C	Resolution	±0.1 °C
Relay output capacity	Compressor relay: 10A/300V AC Fan/defrosting: 3A/220V AC	Sample cycle	<0.1s
		Accuracy	±0.5%

AN808 Series Programmable Intelligent temperature Adjustor**Features**

- Multiple signal input, suitable for most sensors
- Dual freedom degree PID arithmetic
- With Rs485 communication, Modbus protocol

**Specification**

Power supply	AC/DC: 100-240V 50/60Hz	Power consumption	5 W
Accuracy	±0.3%FS	Sampling cycle	250 ms
Work ambience	0-50°C <80% RH	Response time	≤0.3s
Insulation Impedance	100M Ω	Dielectric strength	1500V AC / min
Power interference	≥2 KV	Resolution	RTD: 0.1°C, TC 1°C
Output capacity	Relay capacity: 250V AC/3A, 24V DC/5A Voltage output: 24V DC/30mA Current output: Load ability≤600Ω	Input signal	TC: K, S, R, T, E, J, B, N RTD: Cu50, Pt100, Cu100 Linear voltage: 0-10V, 0-50mV Linear current: 4-20mA Linear resistance: 0-400Ω

Sensor Indicator and Control Meter**SG Series Sensor Indicator****Features**

- Decimal point / scaling/measure rang/zero point can be set
- With adjust screw on panel
- V , mV , mA signal can be selected

Specification

Measuring Function	Can match most sensors	Work ambience	0-50 °C 45-85%RH
Accuracy	±0.5%F.S	Power supply	100-240 AC/DC
Converter	Dual intergrated	Sampling rate	2.5 times/s
Max. display	1999	Insulation	AC 1500V/min
Consumption	<3.5W	Dielectric impedance	DC 500V/500 MΩ
Power supply	Current: 4-20mA(0-20mA), Voltage: 0-10V(0-1V, 1-5V, 0-5V, 0-200mV)		

**SF Series Sensor Indicator****Features**

- V, mV, mA, RTD, TC, Rt signal can be selected
- Display range can be set
- Good anti-interference
- Two alarm output

Specification

Measuring Function	0-10V, 4-20mA, 0-400Ω, 0-50mV	Ambient temperature	0-50 °C
Accuracy	±0.5%F.S	Humidity	45-85%RH
Auxiliary power	24V 30mA	Sampling rate	2.5 times/s
Display	-1999-4000	Alarm output	AL1: AC 1A/250V AL2: AC 3A/250V
Dimension	4/6/7/8/9/16/80	Total current	<30mA(220V AC)
Power supply	SF6/7/8/9/16/80: AC110/220V±10% SF4: AC/DC 100-240V		

**SR Series Intelligent Sensor Indicator****Features**

- Multiple input , can support most sensors
- With Rs485 communication , modbus protocol
- With two alarm output
- 4-20mA analog output

Specification

Power supply	100-240V AC/DC 50/60Hz	Power consumption	5W
Output capacity	250V AC 3A or 30V DC 5A	Accuracy	±0.5%F.S
Anti-interference	>2kV	Sample rate	4times/s
Insulated strength	>2000V DC 60s	Load of transmit current	<600Ω
Input signal	K, J, E, T, R, S, B, N, Cu100, Pt100, 0-10V, 4-20mA, 0-400Ω		
Resolution	TC 1 °C RTD 0.1°C Others F.S*0.01%		

**Products Counter/Length Counting Meter****CG Series Intelligent Counter****Features**

- Dual-line 6 digits display
- Single counting direction
- With manual reset , auto-reset funtion
- Counting scaling settable, NPN/PNP selectable

Specification

Max. input frequency	1000Hz	Power supply	AC 220V±10%
Output mode	N/F/R/C	Power consumption	<4W
Output delay time	0.01s-600.00s	Capacity of alarm control relay	3A/250V AC
Timing range	0.01-999999	Frequency of external reset	2/10/100/500Hz
Display digit	0-999999	Ambient temperature	0-50 °C
Dimension	4\7\8	Ambient Humidity	<80%RH

**CT Series high performance product counter/ batch counter/length counting meter/Timer****Features**

- Dual-line 6 digits display
- Max. Counting speed 10K Hz
- Relay output and solid state relay output
- Batch counting function

Specification

Max. input frequency	10KHz	Power supply	100-240 AC/DC
Output mode	N/F/R/C/K/Q/A	Power consumption	<4W
Output mode	10-5000ms	Capacity of alarm control relay	3A/250V AC
Timing range	0.01-999999	Output capacity of solid state relay	30V DC <100mA
Display digit	-999999-999999	Work ambience	0-50 °C <80%RH
Dimension	3\4\7\8\80		

**CN Series Intelligent counter/Timer****Features**

- Counting speed 1cps/20cps/1kcps/10kcps
- Power fail memory function
- With Rs485interface, modbus protocol
- Batch counting function

Specification

Max. input frequency	10KHz	Power supply	100-240 AC/DC
Output mode	N/F/R/C/K/Q/A	Power consumption	≤17 AV
One-shot	10-5000ms	Capacity of relay	3A/250V AC
Timing range	0.01-99H59M59s	Data storage	10 years
Counting range	00000.1-99999.9	Work ambience	0-50 °C <80%RH
Dimension	4\7\8\80	Input range	Electrical level: High: 3-30V Low: 0-2V



Voltage/Ampere Meter/Power Meter/Coulometer**EX Series Voltage/Ampere Meter****Features**

- Display range -1999 _1999
- Sampling rate: 2.5times/s



Max. display	1999(AC average value)	Power supply	AC 220V±10%
Input mode	Single input	Power consumption	≤4.5 W
Converter	Dual integration	Insulated Impedance	≥10M Ω DC 500V
Overflow indication	"1" or "-1"	Accuracy	±0.5%F.S
Polarity	Only for DC "-"	Frequency of the measured signal	40-200Hz
Dielectric strength	AC 1500V/min	Work ambience	0-50℃ <80%R.H

EH Series Single Phase Voltage/Ampere Meter**Features**

- Can measure voltage & current at same time
- With Rs485 interface, Modbus protocol
- With 4-20mA analog current output
- High/low limit set for voltage and current

**Specification**

Power supply	AC/DC 100-240V	Insulated impedance	≥100MΩ DC 500V
Input range	Voltage: AC 4.5-450V Current: AC 0.05-5A	Work ambience	0-50℃, <85%RH
Accuracy	±0.5%F.S	Sampling rate	Twice/s
Analog output	Analog setting range: 4-20mA Load capacity: ≤600Ω	Dimension	48H×96W×100L
Dielectrical strength	Terminals between: AC 1800V Leak current: 0.5mA 60s	Communication	Rs485 interface, Modbus protocol
Relay contact capacity	AC 250V/3A or DC 30V/5A	Max. display	9999

ES Series 3-phase Voltage/Ampere Meter**Features**

- Can display 3-phase voltage/ampere at the same time
- One loop of analog output
- Two alarm output
- With Rs485 interface
- True effective value measurement

**Specification**

Power supply	AC/DC: 100-240V	Power consumption	Voltage: <1VA(each phase) Current: <0.4 VA(each phase)
Accuracy	±0.5%FS	Work ambience	-10-50℃, <85%RH
Impedance	Voltage: ≥300KΩ Current: 200mΩ	Analog output	4-20mA
Insulation	>5MΩ	Storage temperature	-20-60℃
Dielectrical strength	>1600V AC / min	Alarm output	2 alarm output, 250V AC/3A or 30V DC/5A
Over-load capacity	Current: continuous 1.2 times , moment: twice/10s Voltage: continuous 1.2 times , moment: twice/10s		

EU Series Single Phase Coulometer /Power Meter**Features**

- Measurements: V, I, P, Q, S, PF, Kwh
- Two high/low limit alarm
- With Rs485 communication, Modbus protocol
- With 4-20mA analog output

Specification

Power supply	AC/DC: 100-240V	CT setting range	1.0-1999
Accuracy	±0.5%FS	Work ambience	0-50℃, <85%RH
Input Impedance	Voltage: ≥300KΩ Current: 200mΩ	Analog output	4-20mA
Insulation	100MΩ	Storage temperature	-20-60℃
Dielectrical strength	1500V AC / min	Sampling rate	Twice/s
Direct input range	Current: AC 0.015-5A Voltage: AC 6-450V		

**EW9A Series 3-Phase Coulometer /Power Meter****Features**

- Measurements: V, I, P, Q, S, PF, Kwh , etc. 28 parameters
- Two high/low limit alarm
- With Rs485 communication, Modbus protocol
- With 4-20mA analog output
- With two loops energy pulse output

**Specification**

Power supply	AC/DC: 100-240V	Wiring	3-phase 3-wire or 3-phase 4-wire
Accuracy	±0.5%FS	Power consumption	≤5VA
Rated Current/Voltage	Current: AC 3A ,5A Voltage: AC 100V, 450V	Frequency	45-60Hz
Impedance	Voltage: ≥300KΩ, Current: <20mΩ	Voltage/Current consumption	Voltage: <1VA(each phase) Current: <0.4VA(each phase)
Dielectrical strength	1500V AC / min		
Over-load capacity	Current: continuous 1.2 times , moment: twice/10s Voltage: continuous 1.2 times , moment: twice/10s		

FG Series Frequency/Tacho Meter**Features**

- Pulse signal or industrial frequency signal input
- Can measure : frequency, tacho, linespeed
- With insulation for industrial frequency signal input with stable performance

**Specification**

Power supply	AC 220V/110V±10% 50Hz	Power consumption	≤3.5 W
Tolerance	±0.1Hz	Display range	0-9999
Work ambience	-10-50℃, <85%RH	Response speed	About 1s
Insulated Impedance	DC 500V≥100M Ω	Dielectric strength	AC 2000V / min
Auxiliary voltage	12V load current ≤30mA		
Input voltage	Industrial frequency meter: 60-380V AC Frequency meter: 5-30 V AC pulse signal		