## 



## Microprocessor Based Counter

## PRODUCT INTRODUCTION

## FEATURE

The microprocessor based counter is a fast, accurate and user friendly product that can satisfy the user through its multi-function feature. This in turn decreases the need for stock keeping and lowers costs, resulting in increasing competitiveness.

The counter is suitable in a wide range of application, e.g. batch counter, totalizer, length measurement, positioning control, chronometer, tachometer, flowmeter, etc. User need only to configure the counter according to the required function.

The counter possesses most of the options available in the market, e.g. memory retention, 20~250V AC/DC power supply, 2 sets of relay output, adjustable action delay for the relay outputs (0.1 ~ 99999.9s), provisions for 2 signal inputs, sampling frequency of maximum 20 KHz , a set of DC12/24V power supply. RS485 communication port (ModBus), counter parameters settings, scaling settings etc.

## APPLICATION

## Preselection Counter



## Tachometer



Timer


## INPUT SIGNAL

■ PNP open collector input

- NPN open collector input
- Emitter follower
- CMOS type
- TTL type
- Contact type input
- Photocouplers Solid-state type input


## APPLICATIONS

Food Industry, Pulp \& Paper Industry, Dyeing, Packaging, Publication, Textile, Pharmaceutical, Tooling, Waste water treatment, Petrochemical, Manufacturing Process......etc.

## Multi-Totalizer



## Batch Counter

Packing a defined number of gelatine capsules in pots


Flow Meter


## PC-6340 PROGRAMMABLE FLOW METER



PC-6340

## WORKING PRINCIPLE

User defined sampling timing (1-99s) to acquire sampling pulse signal. Signal is processed to display per second (per minute / per hour) instantaneous flow rate in $4 \sim 20 \mathrm{~mA}$ signal. When flow rate exceeds pre-set value, relay 1 actions. When total flow reaches pre-set value, relay 2 actions (Relay action time from $1 \sim 99999.9 s$ s). Includes a linear flow rate signal output $4 \sim 20 \mathrm{~mA}$.

## PRODUCT APPLICATION

Petrochemical, Food, Feed, Water Treatment, Dyeing etc

## FEATURES

- Switching Power Supply 100~240Vac, 50/60Hz
- Counting Speed: 5K cps (Solid-state), 30 cps (Contact)
- Decimal Point Setting
- Prescaling Value
- $2 \times$ designated preset-points
- Adjustable output delay timing
- Sampling Timing 1 ~ 99s
- Instantaneous Flow rate units (per second / per minute / per hour)
- Analog output 4 ~ 20 mA
- Dimension 72X72 mm

ORDERING INFORMATION:


WIRING DIAGRAM:


|  | SPECIFICATIONS |
| :---: | :---: |
| Power Supply | 100~240Vac, 50/60Hz |
| Power Supply for sensor | $12 \mathrm{Vdc}, 70 \mathrm{~mA}$ |
| Power Consumption | Max. 7W |
| Operating Temperature | $0 \sim 55^{\circ} \mathrm{C}$ |
| Storage Temperature | $-10 \sim 70^{\circ} \mathrm{C}(20 \sim 85 \% \mathrm{RH})$ |
| Display | 0.36 " 7 segment 6-digits |
| Counting Speed | 5 K cps (with Solid-state input only) ; 30 cps (with contact input) |
| Counting range | 0~999999s |
| Decimal Point Setting | 0~4 |
| Input method (Switchable) | No-Voltage input <br> ON impedance: max. 1 K <br> OFF impedance: min. 100K <br> Voltage input <br> High (logic) level: 4~24Vdc <br> Low (logic) level: 0~2Vdc |
| Proportion | $0.001 \sim 999.999$ |
| Sampling Time | 1~99s |
| Flow Rate Units | Flow rate/s, Flow rate/min, Flow rate/hr |
| Pre-set Point | 2 points |
| Contact Output Delay | 2 sets Relay Output (Relay action timing adjustable0.1 ~ 99999.9s) |
| Relay Output | SPST-NOx2, 3A at 250Vac/30Vdc (resistive load) |
| Analog Output | 4~20mA |
| Communication Interface | Rs485 Baud rate 1200-57600bps selectable |
| Reset | Manual, Automatic, External terminals. |

## PC-76 $\square \square$ MULTI-FUNCTION COUNTER



PC-7630
Counter, Chronometer, Tachometer

## PRODUCT APPLICATION

Food, Feed, Dyeing, Pharmaceutical, Injection Moulding, Various Machinery, Electrical Cabling and wiring, etc.

## FEATURES

- Multi-functional design featuring in Timer, Counter, and Tachometer
- Accumulation, batch, and dual function
- DC12V or DC24V power (100mA) for input or external transmitter
- Selectable input of PNP or NPN
- Rising / Falling trigger selectable for counting / reset signal
- Ratio-Conversion function (pre-scale) is available to indicate input pulse in actual measuring unit
- Counting speed is switchable as $30 / 20 \mathrm{~K}$ cps with maximum of 20 K cps.
- Selectable output including relay and transistor
- 5 user-friendly keypad protection schemes
- 6 / $8 / 10$ digits with dual channel, dual color LED display
- RS-485 Communication interface, Data Retention.


## ORDERING INFORMATION:



[^0] specially, some counting mode likesA3 (Non-reset in power on) must with this retain status that can work functionally.

| SPECIFICATIONS |  |
| :---: | :---: |
| Power input | 20V~250V AC/DC, 50/60Hz |
| Power consumption | 7VA Maximum |
| Ambient temperature | $-10 \sim 55^{\circ} \mathrm{C}$ |
| Storage temperature | $-20 \sim 70^{\circ} \mathrm{C}$ |
| Ambient humidity | 20\% ~85\% RH non-condensed |
| Functions | Counter, Chronometer, Tachometer |
| Counting frequency | 30 Hz (contact type) 20 kHz (solid state type) |
| Counting input mode | up, dn, upup, updn, Gate-up, Gate-dn, dir, ph |
| Counting output mode | N, F, C, R, K, K1, P, Q, S, S1, S2, A, H |
| Timer operation mode | A, A1, A2, A3, B, B1, B2, B3, D, E, F, Z, Toff, Ton, H |
| Keypad protection | 5 Level protection |
| Display | 2-row or 2-line, <br> 6 / 8 / 10-digit LED display |
| Display range | $\begin{aligned} & \text { PC-7620: -99,999~999,999 } \\ & \text { PC-7630:-999,999,999~9,999,999,999 } \\ & \text { PC-7640:-9,999,999~99,999,999 } \end{aligned}$ |
| Reset Signal | Front Panel Reset key \& External trigger Reset1 , Reset2 at bottom terminal (Positive/negative trigger selectable) |
| Input Signal | IN1 \& IN2 at bottom terminal Non-voltage input (NPN) , Voltage input (PNP) selectable (output impedance: 7.8k input impedance: 3.9 k ) High level: 4 to 30 Vdc , Low level: 0 to 3 Vdc |
| Output Signal | Two 1C Relays Capacity : 3A / 250V or 2 S.S Output (200Vdc 120mA ) |
| Output retain Time | 0.1s ~99999.9s |
| External power supply | DC12V or DC24V 100mA |
| Communication | RS 485 Modbus (RTU \& ASCII) |
| Data Retention. | By EEPROM |
| Housing type | panel mounting |
| Housing <br> Ambient | Over-voltage category II, pollution degree II (IEC61010-1) |
| pollution degree | IP 65 (Front panel) |
| Dimension | $1 / 16$ DIN $48 \times 48 \times 92 \mathrm{~mm}$ $1 / 8$ DIN $96 \times 48 \times 128.5 \mathrm{~mm}$ $3 / 16$ DIN $72 \times 72 \times 80.5 \mathrm{~mm}$ |

Wiring Diagram
PC-7620


PC-7630


PC-7640


## MODE SELECT

## Single Counting

- $1 \begin{aligned} & \text { Accept Pre2 default value, the system will pull } \\ & \text { high at Relay } 2 \text { while count over Pre2 }\end{aligned}$ high at Relay 2 while count over Pre2

Dual Segment Counting

> Accept Pre1 \& Pre2 default values, the system will pull high at Relay $1 \&$ Relay 2 separately while count over Pre1 \& Pre2

Dual Operation Counting
F- IN1 \& IN2 can independent counting and operate fundamental calculation (Add/Subtract).The Relay 2 will be pulled high while the calculation equal to default value (Pre2)

Batch Counting
51 - Batch counting function, default port (IN1, REST 2 \& Relay 1) to set batch number and port (IN2 REST1 \& Relay 2) to set counting number for each batch process. In operation, while the counting number reaches setting value the Relay 2 will be active, and the same for batch process, Relay 1 will be active. If the counting number is over Pre2, then the "Relay 2 " will be active; if the batch times is over Pre1, then "Relay 1" will be active until rest1 acts

## Accumulation Counting

F- 5 Accumulation counting function,if the accumulation number reaches preset value, then terminal "Relay 2" will be active. The asynchronous output (Re lay $1 \&$ Relay 2) can set time delay from 0.1 sec to 99999.9 secretary. While accumulation count is over 999999 or under -99999, the accumulation count will be reset to zero automatically.

## Chron

## CHE日M

Time counting function will show accurate time to user. The calculate mode can display "sec"msec" , "min"sec" and "hr"min". Longest time can be up to 999 hr " 59 min , and the shortest time to display is 10 ms . If user select the " H " reset ("rESt=h" in automation reset function), then user can choose either manual / automatic operation,or de termine the forward / reverse setting in start. "Relay 2" will keep active while time is up to preset value. ※Caution: ※This function only while user set IN1 \& IN2 in PNP status

## Tacho

## EFH

Tachometer function, or rotation speed function, is designed to monitor the rotation speed. User can input rotation frequency into "IN1" \& "IN2", and follows setting the calculation unit and refresh time. While single input ("Up" mode), the maximum detects limit is 60 krpm , and in "ph" mode, its maximum is only allowable up to 30 krpm . User must care the correct setting of Pre1, Pre_2, Relay 1 and Relay 2 whi ch refer to different setting mode ( HiLo / Area / HiHi / LoLo, see User guide in detail ).

## Speed / Line Speed measurement

A conveyer belt which the radius of gyration for the pulley is 0.5 m , a sensor on the pulley outputs one pulse per revolution.
Hence $\operatorname{PPr}=1$ pulse/revolution $r \mathrm{P} \square$ :

1: rotational speed per second
60: rotational speed per minute
3600: rotational speed per hour
PSCL:2 $\mathrm{r}=2$ (0.5)
$=\mathrm{m}$
TL: Refresh Time, must large than double of cycle time.


## TIMING CHART FOR COUNTING MODE INPUT

## Timing Chart for Counting Mode Input (Rising Edge Trigger)



## TIMING CHART FOR COUNTING MODE OUTPUT

Timing Chart for Counting Mode Output
Holding output One-shot output One-shot/ Holding output

| $\underbrace{\text { Input mode }}_{\text {Out mode }}$ | UP / UPUP / Gate-UP | Dn / Gate-dn | UPDn / Dir / Ph |
| :---: | :---: | :---: | :---: |
| N |  |  |  |
| F |  |  |  |
| C |  |  |  |
| R |  |  |  |
| K-1 |  |  |  |
| P |  |  |  |

N mode: While counts reach Pre_2 (See detail in Default Setting), counting stop, and keep "OUT2" in active status until user reset.
F mode: While counts reach Pre_2, counting continues, and keep "OUT2" in active status until user reset.
C mode: While counts reach Pre_2, counting resets, and keep "OUT2" in active status until time passes preset value.
R mode: While counts reach Pre_2, counting stops, and keep "OUT2" in active status until time passes preset value then reset the counting.
K-1 mode: While counts reach Pre_2 (See detail in Default Setting), counting continues, and keep "OUT2" in active status until time passes preset value.
P mode: While counts reach Pre_2, it first resets counting and follow then continues counting, the display shows the default Pre_2 until time passes preset value. After the preset time passed, the display presents current value.

## TIMING CHART FOR COUNTING MODE OUTPUT

Timing Chart for Counting Mode Output
Holding output
One-shot output

| Out mode | UP / UPUP / Gate-UP | Dn / Gate-dn | UPDn / Dir / Ph |
| :---: | :---: | :---: | :---: |
| Q |  |  |  |
| A |  |  |  |


| Imput mode | UPDn / Dir / Ph |
| :---: | :---: |
| K-2 |  |
| S1 |  |
| S2 |  |
| S3 |  |

Q mode: While counts reach Pre_2, counting continues. And it keeps "OUT2" in active status until time passes preset value then it will reset the counting.
A mode: While counts reach Pre_2, counting stops, and it will restart counting while accepts reset input.
K-2 mode: While counts reach Pre_2, the "OUT2" in active status until time passes preset value.
S1 mode: While counts less than or equal Pre_1, the "OUT1" will in active status and keep hold. If counts large than Pre_1, the "OUT1" will be reset.
S2 mode: While counts less than or equal Pre_1, the "OUT1" will be reset and keep hold.
S3 mode: While counts equal Pre_1, the "OUT1" will keep hold, and if counts equal Pre_2, the "OUT2" will keep hold.

## TIMING CHART FOR CHRON MODE OUTPUT

## Timing Chart for Counting Mode Output

A : Signal Posedge Delay (reset during booting)


Posedge activates at $\operatorname{IN} 1$. When time reaches default 2 , OUT2 activates and clocking stops. (no reset during booting)


Clocking activates while booting. When time reaches default2, OUT2 activates. Clocking pauses at IN1 or IN2 high potential.

B2 : Circle Clocking
(no reset during booting)


Posedge activates at IN1. When time reaches default 2, OUT2 activates and clocking resets until time reaches default2 again. OUT2 will reset.Cycle times.

## E : Signal Posedge Delay <br> (reset during booting)



Posedge activates clocking and OUT2 at IN1. When time reaches default2, OUT2 and clocking reset.

TOFF : Double clocking from OFF.


Posedge activates clocking at IN1. When time reaches default2 OUT2 activates and clocking resets. When time reaches default1,OUT2 and clocking reset. This will cycle until clocking resets or pauses.

A1 : Signal Posedge Delay (reset during booting)


High potential activates at IN1. When time reaches default 2, OUT2 activates and clocking stops.Clocking resets at IN1 low potential.
B : Circle Clocking (reset during booting)


Posedge activates at IN1. When time reaches default 2, OUT2 holds and re-times until time reaches default2 again. OuT2 will reset and re-times. This will cycle until clocking resets or pauses
B3 : Circle Clocking (no reset during booting)


Posedge activates at IN1. When time reaches default 2, OUT2 activates and re-times. This will cycle until clocking resets or pauses.
F: Accumulative clocking
(no reset during booting)


Clocking activates at IN1 high potential. When time reaches default2, OUT2 activates and clocking stops.

TON : Double clocking from ON.


Posedge activates clocking and OUT2 at IN1. When time reaches default1, OUT2 and clocking reset. When time reaches default2, OUT2 activates and clocking resets. This will cycle until clocking resets or pauses.

A2 : Power-on Delay (reset during booting)


While booting, clocking activates and pauses at IN1 or IN2 High potential.

## B1 : Circle Clocking (reset during booting)



Posedge activates at IN1. When time reaches default 2, OUT2 activates and re-times. This will cycle until clocking resets or pauses.
D: Signal Negedge Delay (reset during booting)


Posedge activates OUT2 at IN1 while negedge activates clocking. When time reaches default2, OUT2 resets and stop counting
Z : Booting cycle
(reset during booting)


Posedge activates clocking and OUT2 at IN1. When time reaches default1, OUT2 resets. When time reaches default2, OUT2 activates and clocking resets. This will cycle until clocking resets or pauses.

## PC-8340 PRESET COUNTER

## WIRING DIAGRAM:



Output Mode: N, F, C,R, K, P, Q, S

## PRODUCT APPLICATION

Food, Feed, Dyeing, Pharmaceutical, Injection Moulding, Various Machinery, Electrical Cabling and wiring, etc.

## FEATURES

- Switch Power Supply: 100~240Vac, 50/60Hz
- Counting Speed: 10K cps (Solid-state), 30 cps (Contact)
- Counting Mode 8 type
- Output Mode 8 type
- 2nd output is adjustable from 0.12~1.25s
- User- friendly


## ORDERING INFORMATION:



[^1]

## SPECIFICATIONS

Power Supply $100 \sim 240 \mathrm{Vac}, 50 / 60 \mathrm{~Hz}$

| Power Supply <br> for sensor | $12 \mathrm{Vdc}, 70 \mathrm{~m}$ |
| :--- | :--- |
| Power <br> Consumption | Max. 7 W |
| Operating <br> Temperature | $0 \sim 55^{\circ} \mathrm{C}$ |


| Storage Temperature | $-10 \sim 70^{\circ} \mathrm{C}(20 \sim 85 \% \mathrm{RH})$ |
| :---: | :---: |
| Display | 0.36" 7'segment 6-digits |
| Buttons | 9 buttons |
| Counting Mode | UP, dn, UPdn-A, UPdn-b, UPdn-c, UPdn-d, UPdn-E, UPdn-F |
| Output Mode | N, F, C,R, K, P, Q, S |
| Counting Speed | 10K cps(with Solid-state input only) |
| Input method (Switchable) | No-Voltage input <br> ON impedance: max. 1K <br> OFF impedance: min. 100K <br> Voltage input <br> High (logic) level: 4~24Vdc <br> Low (logic) level: 0~2Vdc |
| Pre-set Point | 2 points |
| Relay Output | SPST-NOx2, 3A/250Vac, 3A/30Vdc (resistive load) |
| Memory backup | EEPROM <br> (overwrites: 100,000 times min.) <br> That can store data for 10 years min. |
| Suitable Sensors | Limit switch, Proximity switch, Optical switch, Conductive switch, Encoder |
| Reset | Manual, Automatic, External terminals. |

## INPUT MODE

INPUT OPERATION MODE

| UP mode |  | DOWN mode |  |
| :---: | :---: | :---: | :---: |
| Input mode | Timing charts | Input mode | Timing charts |
| UP input |  <br> P1: Count input, P2: Gate input | DOWN input |  |
| UP/dn-A Command input |  | UP/dn-D Command input |  |
| UP/dn-B Individual input |  | UP/dn-E Individual input |  |
| UP/dn-C <br> Phase <br> difference <br> input |  | UP/dn-F <br> Phase difference input |  |

## OUTPUT MODE

## OUTPUT OPERATION MODE

| Output mode | UP mode | DOWN mode |
| :---: | :---: | :---: |
| Mode N |  |  |
| Mode F |  |  |
| Mode C |  |  |
| Mode R |  |  |
| Mode K |  |  |
| Mode P |  |  |
| Mode Q |  |  |
| Mode S |  |  |



Sustained output

## DIMENSION / PANEL CUTOUT

## DIMENSION / PANEL CUTOUT

PC- $\square \square 20: 48 \mathrm{~mm}(\mathrm{~W}) \times 48 \mathrm{~mm}(\mathrm{H}) \times 101 \mathrm{~mm}(\mathrm{D})$


PC- $\square \square 30: 96 \mathrm{~mm}(\mathrm{~W}) \times 48 \mathrm{~mm}(\mathrm{H}) \times 128.5 \mathrm{~mm}(\mathrm{D})$


PC- $\square \square 40: 72 \mathrm{~mm}(\mathrm{~W}) \times 72 \mathrm{~mm}(\mathrm{H}) \times 80.5 \mathrm{~mm}(\mathrm{D})$


## SENSOR CONNECTION / DIP SWITCH SETTINGS

PC-6340, 8340
Sensors input wiring diagram and DIP switch setting (in the setting window of plastic housing)
PS: Black rectangle shows the setting of DIP switch - should power off and power on again whenever changing DIP switch setting.

NPN TYPE


IN2-NPN 2 PNP IN1-NPN团PNP


## PC-76

Sensors input wiring diagram and DIP switch setting (in thesetting window of plastic housing)
PS: •Black rectangle shows the setting of DIP switch

- should power off and power on again
whenever changing DIP switch setting.
NPN transistor trigger


NPN contact trigger


PNP contact trigger


Dip Switch in setting window


External power supply 12V Default


In this case: IN1 are NPN
"Chron" function only active while user set IN1 \& IN2 in PNP status

## PC-76 $\square \square$ MULTI-FUNCTION COUNTER

| Model / Features | PC-7620 | PC-7630 | PC-7640 |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| Available Dimension DIN (mm) | 1/16 DIN (48*48) | 1/8 DIN (96*48) | 3/16 DIN (72*72) |
| Color | Black |  |  |
| Function | Pre set x 1 , Pre set $\times 2$, Batch-Counter , Tachometer , Chronometer Dual Counter , Accumulation |  |  |
| Keyboard Protection | 6 choices (ALL , RES , MOD , FREE , P1P2 , RES , MOD ) |  |  |
| Display | Dual 6 digit | Dual 10 digit | Dual 8 digit |
| Button | 5 buttons |  |  |
| Power Supply | 20V~250V AC/DC, $50 / 60 \mathrm{~Hz}$ |  |  |
| Operation Temperature | $-10 \sim 55^{\circ} \mathrm{C}$ |  |  |
| Storage Temperature | $-20 \sim 70^{\circ} \mathrm{C}$ |  |  |
| Protection Rating | IP65 ( Front Panel ) |  |  |
| Installation | Panel Mounted |  |  |
| Memory Retention | EEPROM |  |  |
| External Power Supply | DC12V or DC24V, 100 mA ( Switch-able ) |  |  |
| Input method | IN1 \& IN2 at bottom terminal <br> Non-voltage input (NPN) , Voltage input (PNP) selectable (output impedance: $7.8 \mathrm{k} \Omega$, input impedance: $3.9 \mathrm{k} \Omega$ ) High level: 4 to 30 Vdc , Low level: 0 to 3 Vdc |  |  |
| Output Signal | 250VAC/3A , Relay SPDT*2 or S.S. Output ( $200 \mathrm{VDC/120mA} \mathrm{)*2}$ |  |  |
| Counting Speed | 20 K cps ( with Solid-state input only ) <br> 30 cps ( with contact input) |  |  |
| Counting range | -99,999~999,999 | -999,999,999~9,999,999,999 | -9,999,999~99,999,999 |
| CONTROL FUNCTION |  |  |  |
| Counting Input Mode | 8 choices ( UP , DN , UPDN , UPUP , DIR , PH , Gate-UP , Gate-DN ) |  |  |
| Counting Output Mode | 13 choices ( N, F, C , R , K P , Q S , K1, S1, S2, A H ) |  |  |
| Timer Operation Mode | 15 choices ( A A1, A2, A3, B B1, B2, B3, D , E F , Z H , Ton , Toff) |  |  |
| Reset Signal | NPN Positive / Negative trigger selectable |  |  |
| Rotating Speed Mode | Four ( HIHI , HILO , LOLO , Area) |  |  |
| Sampling Timing | $0.1 \sim 99.9$ seconds |  |  |
| Communication Interface | RS485 ModBus ( RTU \& ASC II ) |  |  |
| Speed Units | Speed/s , Speed/min , Speed/hr |  |  |
| Approval | CE, UL pending |  |  |

## Microprocessor Instruments

Bargraph/ Digital display Panel Meter

- Switching power supply 85~265 Vac or 18~36 Vdc
- Wide range of user definable scaling ratio.
- SIM (Signal Input Module) available for different application.
- Isolation in Analog / Relay output.
- Support Non-Linear tank volume conversion.
- RS485 ModBus communication.


C $\epsilon$

PID+Fuzzy
Temperature Controller

- ON/OFF, PID+Fuzzy Control
- Auto-tuning, High Accuracy
- Sensor Break Alarm
- Switching Power Supply 85~265 Vac or 18~36 Vdc
- Lock Protection for Variety Parameters Heating / Cooling Bi-directional Control Multi-Input Signals Function Heater Break Detection RS485 ModBus communication




## Digital Panel Indicator

- 0.56" Large 7-Segment LED Display
- Low Cost and Accurate Panel Indicator
- Support all process signals, AC Voltage, DC Voltage, AC Current and DC Current Measurement.
- IP-65 Class Front Panel


Microprocessor Based Counter

- Switching power supply 85~265 Vac

Counting Speed: 20 K cps (Solid-state), 30 cps (Contact)

- Decimal point setting
- Timer display ( user set $\mathrm{h} / \mathrm{min}$. min/s or $\mathrm{s} / 0.1 \mathrm{~s}$ )
- Adjustable output delay timing
- Speed units: Second, Minute, Hour
- Includes multi-parameters for Counter, Timer, Batch-counter, Chronometer, Tachometer
- Data retention \& RS485 ModBus communication


## Microprocessor Based Power Quality Meter

- 0.2 grade electrical calibration as well as CE approval
- Monitoring RMS Voltage, Current, Frequency, Power Factor
- Monitoring Active Power (Watts), Reactive Power (Vars), Apparent Power (VA)
- Monitoring Active Energy (Mwh), Reactive Energy (MVArh), Apparent Energy (MVAh)
- Power Quality Harmonics: THD Voltage, THD Current Harmonic distortion
- Password protection on parameters setting
- Provides RS485 ModBus communication interface


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Your Made-To-Order Solutions

## Distributor:


[^0]:    While in power off, the PC 7620 will retain the present value and the output status;

[^1]:    ※ Contact us for custom- made product.

