### Feature
- Measuring 2 channels Voltage and Current for DC / AC / TRMS with dual display screen for [dual isolated input](#).
- Accuracy: ± 0.04%; Display range: -19999~99999 with [Mathematic function Addition / Subtraction / Multiplication / Division / high or low selector in 2 channels input](#).
- User function, Easily programmable via the front panel.
- 4 relay for Hi / Lo / Go / DO energized with Start Delay / Hysteresis / Energized & De-energized Delay / Relay Energized Hold….. functions.
- Analogue output, RS 485 communication port available in optional.
- CE Approved.

### Order Information
- Ranges:
  - Voltage: V1: 0~199.99 V, V2: 0~1999.9 V, V3: 0~19999 mV
  - Current: A1: 0~199.99 mA, A2: 0~1.9999 A, A3: 0~19.999 mA, A4: 0~199.99 mA
  - Analog Output: IO: 0~20mA

### Specification

<table>
<thead>
<tr>
<th>CODE</th>
<th>MEASUREMENT</th>
<th>DC:VOLT INPUT</th>
<th>AC:CURRENT INPUT</th>
<th>DC:VOLT INPUT</th>
<th>AC:CURRENT INPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0~199.99 mA</td>
<td>0~1.9999 mA</td>
<td>0~19999 mV</td>
<td>0~199.99 mA</td>
<td>0~1.9999 mA</td>
</tr>
<tr>
<td>B</td>
<td>0~19999 mV</td>
<td>0~199.99 mA</td>
<td>0~1999.9 V</td>
<td>0~19999 mV</td>
<td>0~1999.9 V</td>
</tr>
<tr>
<td>C</td>
<td>0~1999.9 V</td>
<td>0~19.999 mA</td>
<td>0~199.99 A</td>
<td>0~1999.9 V</td>
<td>0~19.999 mA</td>
</tr>
<tr>
<td>D</td>
<td>0~199.99 V</td>
<td>0~19999 mA</td>
<td>0~199.99 A</td>
<td>0~19999 mA</td>
<td>0~199.99 A</td>
</tr>
<tr>
<td>E</td>
<td>0~199.99 µA</td>
<td>0~19.999 mA</td>
<td>0~199.99 A</td>
<td>0~199.99 mA</td>
<td>0~19.999 mA</td>
</tr>
</tbody>
</table>

*Dual input cap be selected individual in Voltage & Current for DC, AC or TRMS*

### Operating
- **Calibration:** System calibration by front key.
- **Accuracy:** DC: ± 0.04% of FS ± 1C; AC: ± 0.1% of FS ± 1C.
- **Response time:** ≤ 100 msec. (when the AvG = “*”)

### Display Functions
- **Decimal point (Pv1.2.DP):** Settable from 0 / 0.0 / 0.00 / 0.000 / 0.0000
- **Control functions:**
  - **Control relay:** 2 Relays SPDT, 1A/230Vac, 3A/115V
  - **Relay Output:** Multi-Cross selection with display 1 & display 2

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*The NEWEST*
4 1/2 DIGITAL VOLT & AMP METER-DUAL DISPLAY

VAM(1.0)

**FUNCTIONS:**
- Start delay / Energized & De-energized delay / Hysteresis
- Relay Trip Selection ([1/2] SEL: Multi-Cross selection)
- Start band: V.5b.1/2: 0~9999 counts
- Start delay time: V.5b.1/2: 0.00~0.9999(S)
- Energized & De-energized delay time: 0.00~9.999
- Hysteresis: 0~5000 counts

**Analogue output (option):**
- ±0.1% of F.S.: 16 bits AD converter
- Ripple: ±0.1% of F.S.
- Response time: ±200 ms (10~90% of input)
- Isolation: AC 2.0 KV between input and output
- Output range:
  - Voltage: 0~5V / 0~10V / 1~5V selectable
  - Current: 0~10mA / 0~20mA / 4~20mA selectable

**Power Supply:**
- AC 115V/230V, 50/60Hz
- Power consumption: 5VA
- Back up memory: By EEPROM

**Environmental:**
- Operating temperature: 0~60 °C
- Operating relative humidity: 20~95%RH, Non-condensing
- Temperature coefficient: ±100 PPM/°C
- Storage temperature: -10~70 °C
- Enclosure: Front panel: IEC 549 (IP54)

**Electrical Safety:**
- Dielectric Strength: AC 2.0 KV for 1 min
- Insulation resistance:
  - Between Power / Input 1 / Input 2 / Output / Case: ≥100M ohm at 500Vdc
  - Between Power / Input 1 / Input 2 / Output: EN61326
- EMC: EN61010

**Dimensions:**
- 96mm(W) x 48mm(H) x 120mm(D)
- Panel cutout: 92mm(W) x 44mm(H)
- Case Material: ABS fire-protection (UL 94V-0)
- Mounting: Panel flush mounting
- Terminal block: Plastic NYLON 66 (UL 94V-0)
- Weight: 550g

**RS485 Communication (optional):**
- Protocol: Modbus RTU mode
- Baud rate: Selectable 2400/4800/9600/19200/38400
- Data bits: Selectable 7 or 8 bit
- Parity: Selectable Even, odd or none (with 1 or 2 stop bit)
- Device no: Selectable 1 ~ 255
- Write function:
  - Write to data value from PC’s RS485 command

**Connection Diagram:**
- Relay 1 / Relay 2 / Relay 3 / Relay 4
- Signal Input 1 / Signal Input 2
- Power Supply
- Power: 10A / 600V max
- Communication: 0.2A / 600V max
- Auxiliary Power
- AUX POWER