CHD9000 Series 3 phase Couloneter Instruction Manual

Thanks a lot for selecting Sanvou products! Before operating this instrument, please carefully read thi nanual and fully understand its contents. If have problems please contact our sales or distributors whom you buy from This manual is subject to change without prior notice.

Wirning

Please do not turn on the power supply until all of the wiring is completed. Otherwise electrical shock. fire or malfunction may result.

Do not wire when the nower is on. Do not connect the unused terminals. Do not turn on the power supply when cleaning this instrument. Do not disassemble, repair or modify the instrument. This may cause electrical shock, fire or malfunction

Use this instrument in the scope of its specifications. Otherwise fire or malfunction may result.

The use life of the output relay is quite different according to is capacity and conditions. If use out of its scope, fire or malfunction may result.

A Caution

This instrument should be installed in a domestic environment. Otherwise electrical shock, fire or malfunction may result. The operating temperature environment should between 0 (32F) to 50 (122F).

To avoid using this instrument in environment full of dust or caustic gas.

To avoid using this instrument in environment of strong shock or concussion.

To avoid using this instrument in environment of overflow water or explosive oil.

The is no current protection power supply or fuse in this instrument. If reinforced is needed, the specifications of the fuse should be: 250VAC, 0.5A.

In case the instrument is use in environment of nuclear control, iatrical equipment, auto, train, airplane or security equipment that need protections, please contact the nanufacturer for details.

★ Applications

The instrument is to measure any range of AC/DC voltage or current set by user. It can be available for data reserve or top value reserve function. To measure or display true value of voltage/anpere/watt/power factor/frequency/energy consumption. Up to 3 alarmoutput.



Name of narts



AL2: R RELAY S: SSR/LOGIC

T: SCR N: No alarm

AL1 : R: RELAY S: SSR/LOGIC

T: SCR N: No alarm

Power Supply: Default: 90

260VAC 50-60Hz E: DC 24V

96 F

Parameter setting

than 3 seconds, enter control parameters setting menu

-Analogue: Default: No analogue

DWseries 3 phase of coulometer,

I: DC 0-10V or DC 4-20nA

-3: 3 phase

size: 96x96x80mm

Notes: The instrument can measure both simple phase and 3 phase. Factory setting is 600V. 5A AC. P/T rate free set by software . Measure AC voltage more than 600V, please use the instrument with C/T. Measure AC current more than 54, please use the instrument with P/T.

Three phase different voltage/current input need special order to mention each range.

Specifications

| | Power supply | 90-260V AC/DC 50/60H | |
|---|-----------------------|---|--|
| | Méasured objects | True value, simple/three phases/volt- age/current/Watt/Power factor/energy consumption/reactive power | |
| | Direct input range | Voltage: 0- | 600V Current: 0-5A or 0-10A |
| | P/T, C/T | P/T, C/T free set by software | |
| 5 6 7 | Sampling | rate | 2 degre/s |
| ① 3 phase KWVar/PF/Kwh display window | | Voltage: ± 0.4%± 0.1%F.S | |
| (2) 3 phase voltage measured value/parameter display window (3) 3 phase voltage measured value/parameter medified | Accuracy | Current : ± 0. 3%± 0. 1%F. S | |
| display vindow | | Watt: ± 0.8%± 0.2%F.S | |
| (4) Convert/Set/Confirmkey (5) Shift/Clear key | | Power factor: ± 0.02 | |
| 67 Up key/Down key | | | |
| 8 Indication larges | Anal ogue | 0-10V or 4-20mA selectable by software | |
| KW: 3 phase A/B/C/ watt | Alarm | RELAY: NO 250V AC 3A or 30V DC 3A COS¢=1 | |
| IT : 3 prase A/B/C/ power factor | Communication | R\$232 or R\$485 with MILEUS TRU protocol | |
| Σ : Summation of the 3 phase | Tri | | |
| Var: 3 phase A/B/C/ VAR Kwh: 3 phase A/B/C/ energy consumption AL1/AL2/AL3: Alarm1/2/3 On: Output Off: No alarm | | | $ \begin{vmatrix} \mathbf{A} \\ \mathbf{H} \\ \mathbf{A} \end{vmatrix} $ |
| Midels | | \top | |
| CHD9000 Input signals: AV, AA, DA, DV for option Communication interface: Blank: No communication | | + | |
| AL3: R RELAY S: SSR/LOCIC T: SCR N: No alarm | . <u></u> | | v>I │ |

Н

and then press SET key to confirm

- Press SET key to read the following parameters one by one. 2. The instrument will return to the measuring estate without
- any operation for 25 seconds.
- 3. Convert display

A. Window A is mainly used to display KWVAR/PF/Kwh of one of nhase A/B/C/. You can select one of themby press <</RST key. The indication lamps UA/UB/UC/ will show the present selected phase or summation. Press SET key can convert displaying KWVAR PF/Kah

B. Window B is mainly used to display voltage of phase A/B/C. indicated by UA/UB/UC lams

C: Window C is mainly used to display current of phase A/B/C. indicated by UA/UB/UC lamps

4 Kub value clear

Press SET key, and let the indication lamp Kyh is on, press key to select the phase that you want to clear UA/UB/UC, then press <</ r>

 <</ d>
 key for 2 seconds till the window A display "0.000".
5. Power fail protection. Only 3 phase Kwh value is available. 6. Window A nover on display setting: Set by the parameter "IIIS".





