TC MACHINERY CO., LTD.
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Bettery Charger and Discharger with Micro Computer Control

TC-NCCDR20/50/100

TC-NCCDR20/25/40

PRINTER

APPLICATION：CHARGE/DISCHARGE OF SINGLE BATTERY（6V OR 12V）

1. Power Source:

•SYE-NCCDR 20/1 --- TC-NCCDR 20/20 AC 1Ø 110V 60HZ（AC 1Ø 220V 50HZ）

•SYE-NCCDR 20/25/40 --- TC-NCCDR 20/50/100 AC 3Ø 220V 60HZ（AC 3Ø 380V 50HZ）

2. Output Voltage: DC 4.00 - 20.00V, continuously settable.
3. Charge & Discharge Output Current: As shown in specification. Continuously settable.
4. Control Method: Digital keypad of microcomputer.
5. This is machine has 21 automatic successive steps operational functions; each step is equipped with VOLTAGE/CURRENT/TIME/AH/TEMPERATURE 5 kinds of control functions.
6. Each step may freely select charge/discharge/hold/capacity/life cycle functions; may set consecutive variable automatic processed by multiple steps.

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MODEL	SPECIFICATION
TC-NCCDR 20/1	DC 20.00V CHARGE＆DISCHARGE 0.01－1.00A/max 10.00W
TC-NCCDR 20/5	DC 20.00V CHARGE＆DISCHARGE 0.05－5.00A/max 50.0W
TC-NCCDR 20/10	DC 20.00V CHARGE＆DISCHARGE 0.10－10.00A/max 100.0W
TC-NCCDR 20/20	DC 20.00V CHARGE＆DISCHARGE 0.20－20.00A/max 200.0W
TC-NCCDR 20/30	DC 20.00V CHARGE& DISCHARGE 0.30 – 30.00A/max 300.0W
TC-NCCDR 20/25/40	DC 20.00V CHARGE 0.4－25.0A DISCHARGE 0.4－40.0A/max 400W
TC-NCCDR 20/30/60	DC 20.00V CHARGE 0.6－30.0A DISCHARGE 0.6－60.0A/max 600W
TC-NCCDR 20/40/80	DC 20.00V CHARGE 0.8－40.0A DISCHARGE 0.8－80.0A/max 800W
TC-NCCDR 20/50/100	DC 20.00V CHARGE 1.0－50.0A DISCHARGE 1.0－100.0A/max 1000W

7. Control Function:
   7.1Charge: CC (Constant Current), FV(Final Voltage), V/T(Voltage/Time Dual Control), LV (Limit Voltage), Constant Voltage), Hold (Standby), Repeat (Repeat Weekly Cycle Control), PC (Pulse Control), AH (Ampere Hour Control).
   7.2Discharge: CC (Constant Current), CP (Constant Power), FV (Final Voltage), V/T (Voltage/Time Dual Control), Hold (Standby), Repeat (Repeat Weekly Cycle Control), PC (Pulse Control), AH (Ampere Hour Control).
8. Precision of Control: ± 1 %
9. Statistics Of Lift Cycle In Each Loop: Max. 999999 TIMES.
10.Temperature Control:Sensitive Range:-25°C~+120°C. Control Range: 10°C~120°C Accuracy: <± 3 %
   *It temperature exceeds setting range, the machine will shut down and alarm.
   *A 1CH Detecting Rod of Surface Temperature is included. (Wire length 3M)
11.Digital display of. VOLTAGE/CURRENT/TIME/AH/WH/ TEMPERATURE
12.Condition Of Data Access:
   12.1 Sampling by force: In the beginning and ending of each step.
   12.2 Sampling by segment: Random sampling in each step.
   (Sampling rate of setting: 1 sec. ~ 99 hours 59 min. 59 sec.)
13.Function Of Testing Data Storage Is Build-In.
   After Testing Procedure, access testing data by pc and transfer data to world file. Client can use Microsoft Excel or Lotus to generate analytic chart and table.
14.Capacity Of Data Storage ： Max. 6400 files.
15.Print Of Testing Data: Testing data, time, voltage, current, AH, WH, Total AH, TEMPERATURE, are printed out by printer directly without pc connection.
16.Control Model:
   16.1 Setting and control by machine directly.
   16.2 Setting and control by external pc.
17.Spare Parts: Complete set of fuses which are used in this machine.