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**How to use ACQ Debug**

20230327

1. Teraterm (Debug)setting
   1. Teratermexecution->menu->setting->serial port
      1. port:PCport connected to
      2. speed : One15200 (bps)
      3. data: 8 bits
      4. parity:none
      5. stop beat: 1 bit
      6. flow control:none
2. Settings screen shortcuts
   1. number setting Hotkeys // Debo, trigNum, Tripcurr, Ratio, …
      1. Help(H)
      2. eXit(X) : Normalmove screen
      3. Back(B):go to full screen
      4. BackSlash(<-) :erase leading
   2. message Setting Shortcut // Model, Serial, MAC
      1. ESC(Esc): Delete whole word or exit
      2. BackSlash(<-) :previous worderase
3. Normal
   1. Help(H)
   2. Reset(R): Equipment Reset
   3. Logo(L):equipment information
   4. View(V):equipment setpoint
   5. Clear(C):Screen Clear
   6. Setting(S)->Passowrd ->"2020\" Admin Mode / "0000{ent}" User Mode Login
   7. Debug(D): Status display of V, IA, IB, IC, TC1, TC2, CC
4. Setting
   1. Help(H)
   2. eXit(X) : Normalmove screen
   3. Back(B):go to full screen
   4. Sys(S): Systemsetting
      1. Help(H)
      2. eXit(X) : Normalmove screen
      3. Back(B):go to full screen
      4. Debo(D) : DebounceSettings // 5~100ms
      5. trigNum(N): Set waveform saving time before trip // 10~100ms
      6. Tripcurr(T): TC1, TC2, CC Trip current setting // 0.1~5.0A
      7. Ratio(R): Fill in voltage and current current input
   5. Ether(E): Ethernet setting
      1. Help(H)
      2. eXit(X) : Normalmove screen
      3. Back(B):go to full screen
      4. Ip(I) : Ip Address // 192.168.10.100
      5. Sub(S) : Subnet mask // 255.255.255.0
      6. Def(S) : Default gateway // 192.168.10.1
      7. Port(P) : Port number // 100
      8. Loc(L) : Local IP Address // 192.168.10.100
      9. manager mode
         1. Mac(M) : Mac // AB:CD:EF:12:34:56
   6. List(L) : Event, FaultList and Erase
      1. Help(H)
      2. eXit(X) : Normalmove screen
      3. Back(B):go to full screen
      4. Event(E):event List1~100ea
         1. List(L) : ListReload
         2. Erase(E): Event List Erase
      5. Fault:Accident waveform list 1~20ea
         1. List(L) : ListReload
         2. Erase(E): Fault List Erase
         3. manager mode
            1. No: Fault Wave No

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* + - * 1. 1 to 7:waveformData Read //{ent} : Arranged in groups of 8. {\} : for Excel cleanup

1: TC1waveform

2: TC2waveform

3: CCwaveform

4:Vwaveform

5: IAwaveform

6: IBwaveform

7: ICwaveform

* 1. eTc(T) : ETCsetting
     1. Help(H)
     2. eXit(X) : Normalmove screen
     3. Back(B):go to full screen
     4. Time(T): time setting
        1. Year(Y) :Year setting // 0~99
        2. Mon(M):Set month // 1~12
        3. Day(D):Set day // 1~31
        4. hOur(O) :Hour setting // 0~23
        5. mIn(I):Minute setting // 0~59
        6. Sec(S):Second setting // 0~59
     5. Pass(P): Password setting
        1. New Password
        2. Re-Enter Password
     6. Model(M): 16 characters
     7. Serial(S): 32 characters
     8. 100ms(One): Integral 100msec number // 3~16ea
     9. 500ms(5): Integral 500msec number // 3~16ea
  2. Cali(C) : Calibrationsetting
     1. Help(H)
     2. eXit(X) : Normalmove screen
     3. Back(B):go to full screen
     4. Accali(A) : AC Calibration
        1. acAll(A) :
           1. Zero(Z)

Vrange(V) : Zero Voltage Range // 0.0~10.0V

Range(R) : Zero CurrentRange // 0.0~10,0A

Save(S)

* + - * 1. Span(S)

Vrange(V) : Span Voltage Range// 10.0~200,0V

Range(R): Span CurrentRange // 1.0~20A

Save(S)

* + - 1. 1~4 : (ac1(V), ac2(IA), ac3(IB), ac4(IC))
         1. Zero(Z)

Range(R) : Zero CurrentRange// 1: 0.0~10.0V, 2~4:0.0~10,0A

Save(S)

* + - * 1. Span(S)

Range(R): Span CurrentRange // 1: 10.0~200,0V, 2~4: 1.0~20A

Save(S)

* + - 1. Ratio(R):Voltage/Current Cali. Set the input voltage/current value
         1. Vratio(V) : 10.0~200.0V
         2. iRatio(R) : 1.0~20.0A
         3. 1~4 : (ac1(V), ac2(IA), ac3(IB)), ac4(IC) // 10.0~200.0V, 1.0~20.0A
      2. Phase: Vas 0 and save IA, IB, IC as 0 degree
         1. Save(S)
    1. Dccali(D) : DC Calibration
       1. dcAll(A) :
          1. Zero(Z)

Range(R) : ZeroRange // 0.0~1.0V

Save(S)

* + - * 1. Span(S)

Range(R) : SpanRange // 0.1~6.0V

Save(S)

* + - 1. 1~3: (dc1(TC1), dc2(TC2), dc3(CC))
         1. Zero(Z)

Range(R) : ZeroRange // 0.0~1.0V

Save(S)

* + - * 1. Span(S)

Range(R) : SpanRange // 0.1~6.0V

Save(S)

* + - 1. Ratio(R):Voltage Enter Cali. Set value to change the value into current // Convert DC voltage span range value to set current
         1. Ratio(R) : dc Ratio all // 1.0~40.0A
         2. 1~3 : (dc1(TC1), dc2(TC2), dc3(CC)) // 1.0~40.0A