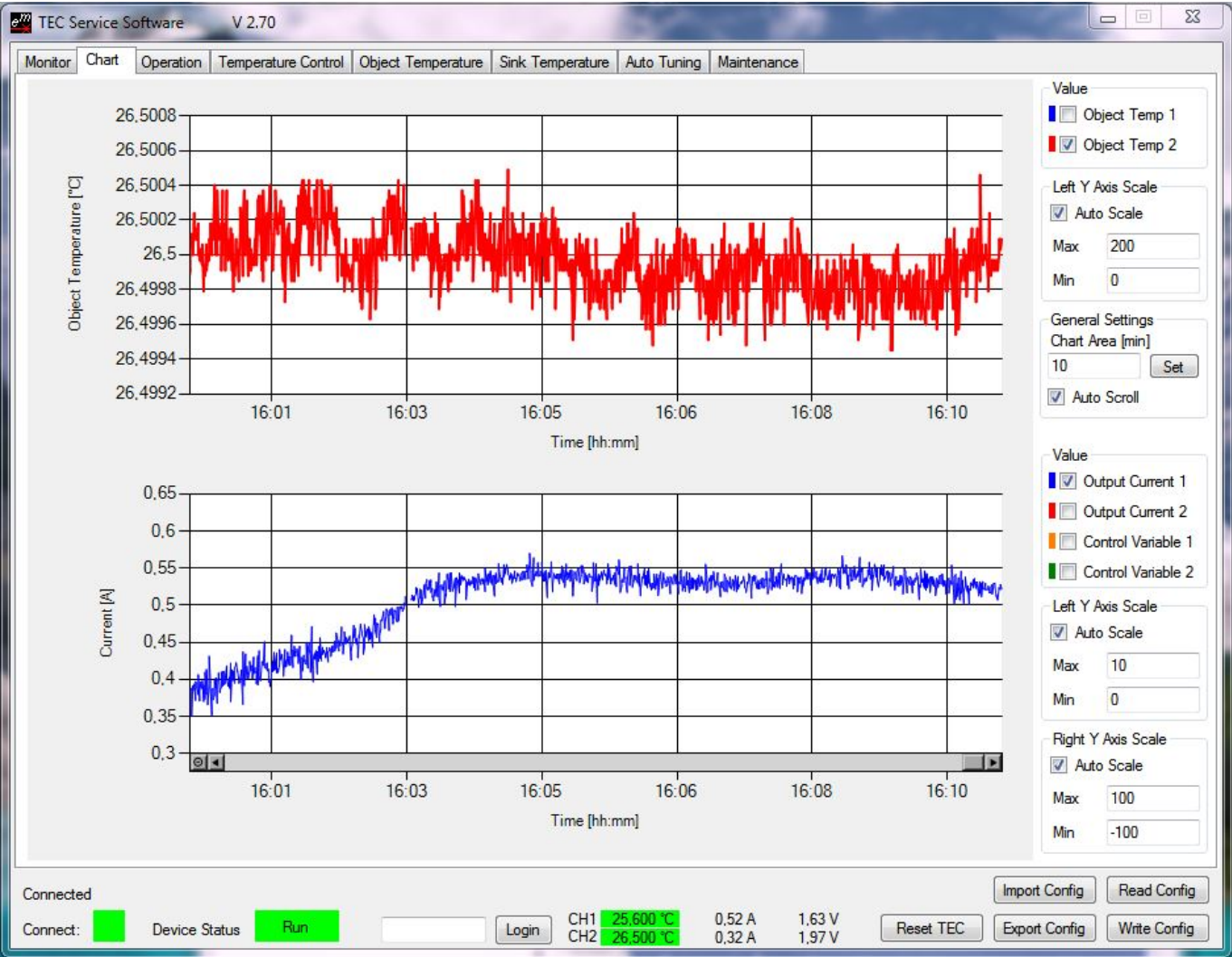
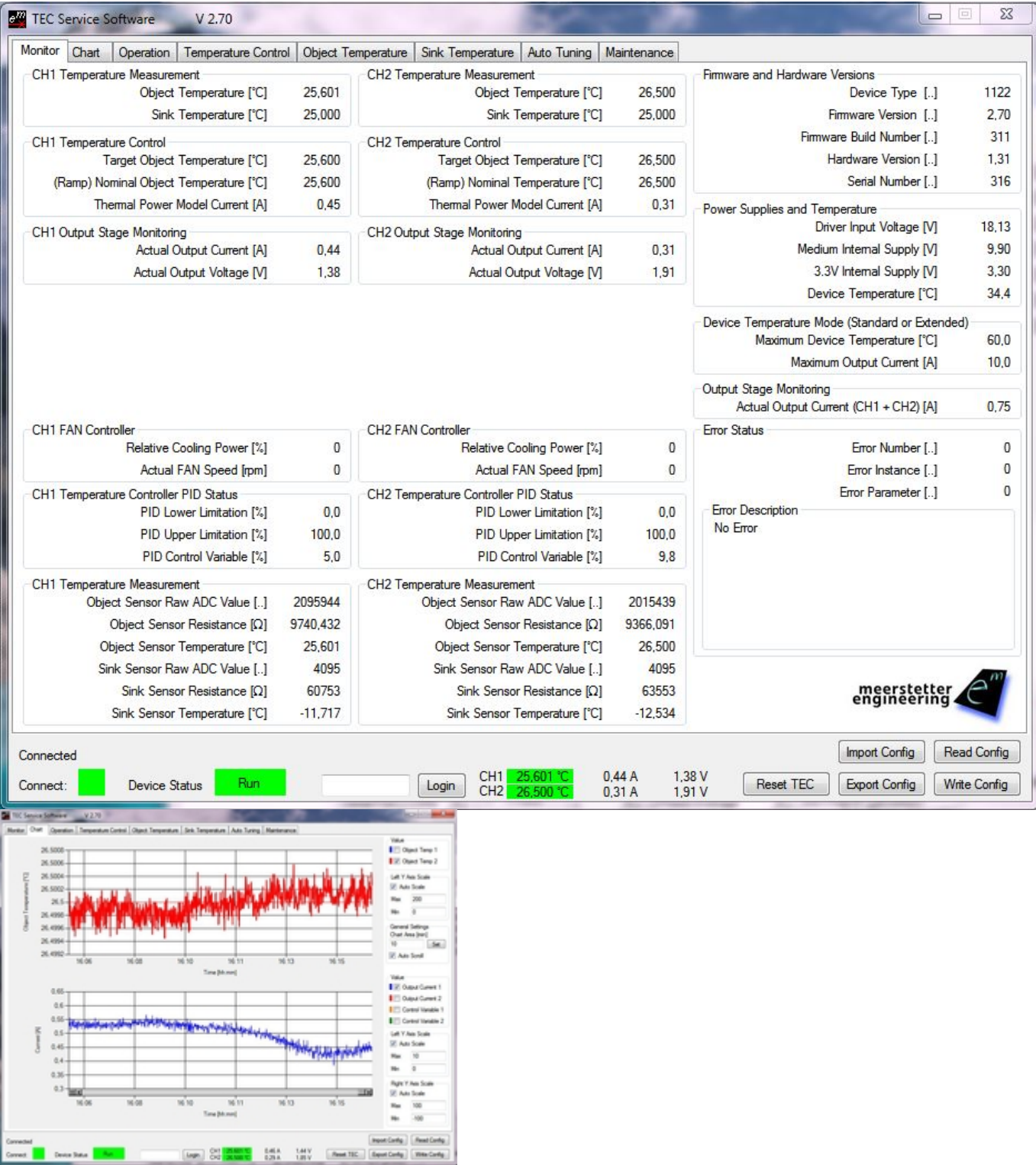


TEC Service XY

- Datasheet: <hi #fff200>TODO</hi>





TSC Service Software V 2.70

Monitor | Object | Operation | Temperature Control | Object Temperature | Sink Temperature | Auto Tuning | Maintenance

CH1 Output Stage Control Input Selection: Actual New Temperature Controller

CH1 Output Stage Enable: Actual New Output Enable State On

CH1 Output Stage Status Current/Voltage Control Values: Actual New Set Current [A] 1 Set Voltage [V] 10

CH1 Output Stage Limits: Actual New Current Limitation [A] 2 Voltage Limitation [V] 15 Current Error Threshold [A] 5 Voltage Error Threshold [V] 17

CH2 Output Stage Control Input Selection: Actual New Temperature Controller

CH2 Output Stage Enable: Actual New Output Enable State On

CH2 Output Stage Status Current/Voltage Control Values: Actual New Set Current [A] 1 Set Voltage [V] 5

CH2 Output Stage Limits: Actual New Current Limitation [A] 1 Voltage Limitation [V] 15 Current Error Threshold [A] 4 Voltage Error Threshold [V] 17

General Operating Mode: Single Independent

Device Address: Actual New Device Address [I] 2

RS485 Channel 1 Settings: Actual New Baud Rate [baud] 57600 Response Delay [s] 0

Communication Watchdog: Actual New Timeout [s] 0

*Reset required *Defines the Polarity

Connected Device Status: Login CH1 0.000000 0.45 A 1.42 V CH2 0.000000 0.31 A 1.31 V

TSC Service Software V 2.70

Monitor | Object | Operation | Temperature Control | Object Temperature | Sink Temperature | Auto Tuning | Maintenance

CH1 Normal Temperature: Actual New Target Object Temp [°C] 25.5 Coarse Temp Ramp [°C/s] 0.0001 Finest Ramp Width [°C] 0.1

CH2 Normal Temperature: Actual New Target Object Temp [°C] 25.5 Coarse Temp Ramp [°C/s] 0.1 Finest Ramp Width [°C] 0.1

CH1 Temperature Controller PID Values: Actual New Kp [1/°C] 2000 Ti [s] 2000 Td [s] 0 D Port Damping PTH [I] 0.3

CH2 Temperature Controller PID Values: Actual New Kp [1/°C] 2000 Ti [s] 2000 Td [s] 0 D Port Damping PTH [I] 0.3

CH1 Modulation for Thermal Power Regulation: Actual New Reaction Heat Only

CH2 Modulation for Thermal Power Regulation: Actual New Reaction Heat Only

CH1 Pulse Characteristics: Actual New Maximal Current Limit [A] 15 Maximal Voltage Limit [V] 15.4 Cooling Capacity Limit [W] 130 Delta Temp of Time [°C] 60 Positive Current is Heating

CH2 Pulse Characteristics: Actual New Maximal Current Limit [A] 15 Maximal Voltage Limit [V] 15.4 Cooling Capacity Limit [W] 130 Delta Temp of Time [°C] 60 Positive Current is Heating

CH1 Resistor Characteristics: Actual New Resistance [Ω] 1.9 Maximal Current [A] 2

CH2 Resistor Characteristics: Actual New Resistance [Ω] 2 Maximal Current [A] 1

Connected Device Status: Login CH1 0.000000 0.45 A 1.80 V CH2 0.000000 0.31 A 1.31 V

TSC Service Software V 2.70

Monitor | Object | Operation | Temperature Control | Object Temperature | Sink Temperature | Auto Tuning | Maintenance

CH1 Object Measurement Settings: Actual New Temperature Offset [°C] 0 Temperature Gain [1/°C] 1

CH2 Object Measurement Settings: Actual New Temperature Offset [°C] 0 Temperature Gain [1/°C] 1

CH1 Actual Object Temperature Error Limits: Actual New Lower Error Threshold [°C] 10 Upper Error Threshold [°C] 45 Max Temp Change [°C/s] 200

CH2 Actual Object Temperature Error Limits: Actual New Lower Error Threshold [°C] 10 Upper Error Threshold [°C] 45 Max Temp Change [°C/s] 200

CH1 Object NTC Sensor Characteristics: Actual New Lower Point Temperature [°C] 0 Resistance [Ω] 32000 Middle Point Temperature [°C] 25 Resistance [Ω] 10000 Upper Point Temperature [°C] 60 Resistance [Ω] 2400

CH2 Object NTC Sensor Characteristics: Actual New Lower Point Temperature [°C] 0 Resistance [Ω] 32000 Middle Point Temperature [°C] 25 Resistance [Ω] 10000 Upper Point Temperature [°C] 60 Resistance [Ω] 2400

CH1 Object Temperature Measurement Limits: Actual New Sensor Type: Lowest Resistance [Ω] 290 NTC Highest Resistance [Ω] 38010 Temperature at Lowest Resistance [°C] 131.3 Temperature at Highest Resistance [°C] -0.3

CH2 Object Temperature Measurement Limits: Actual New Sensor Type: Lowest Resistance [Ω] 290 NTC Highest Resistance [Ω] 38010 Temperature at Lowest Resistance [°C] 131.3 Temperature at Highest Resistance [°C] -0.3

CH1 Object Temperature Stability Indicator Settings: Actual New Temperature Deviation [°C] 1 Min Time in Window [s] 10 Max Stabilization Time [s] 0

CH2 Object Temperature Stability Indicator Settings: Actual New Temperature Deviation [°C] 1 Min Time in Window [s] 10 Max Stabilization Time [s] 0

Connected Device Status: Login CH1 0.000000 0.47 A 1.47 V CH2 0.000000 0.31 A 1.31 V

TSC Service Software V 2.70

Monitor | Object | Operation | Temperature Control | Object Temperature | Sink Temperature | Auto Tuning | Maintenance

CH1 Sink Measurement Settings: Actual New Temperature Offset [°C] 0 Temperature Gain [1/°C] 1

CH2 Sink Measurement Settings: Actual New Temperature Offset [°C] 0 Temperature Gain [1/°C] 1

CH1 Actual Sink Temperature Error Limits: Actual New Lower Error Threshold [°C] 5 Upper Error Threshold [°C] 30 Max Temp Change [°C/s] 200

CH2 Actual Sink Temperature Error Limits: Actual New Lower Error Threshold [°C] 5 Upper Error Threshold [°C] 30 Max Temp Change [°C/s] 200

CH1 Sink NTC Sensor Characteristics: Actual New Lower Point Temperature [°C] 0 Resistance [Ω] 32000 Middle Point Temperature [°C] 25 Resistance [Ω] 10000 Upper Point Temperature [°C] 60 Resistance [Ω] 2400

CH2 Sink NTC Sensor Characteristics: Actual New Lower Point Temperature [°C] 0 Resistance [Ω] 32000 Middle Point Temperature [°C] 25 Resistance [Ω] 10000 Upper Point Temperature [°C] 60 Resistance [Ω] 2400

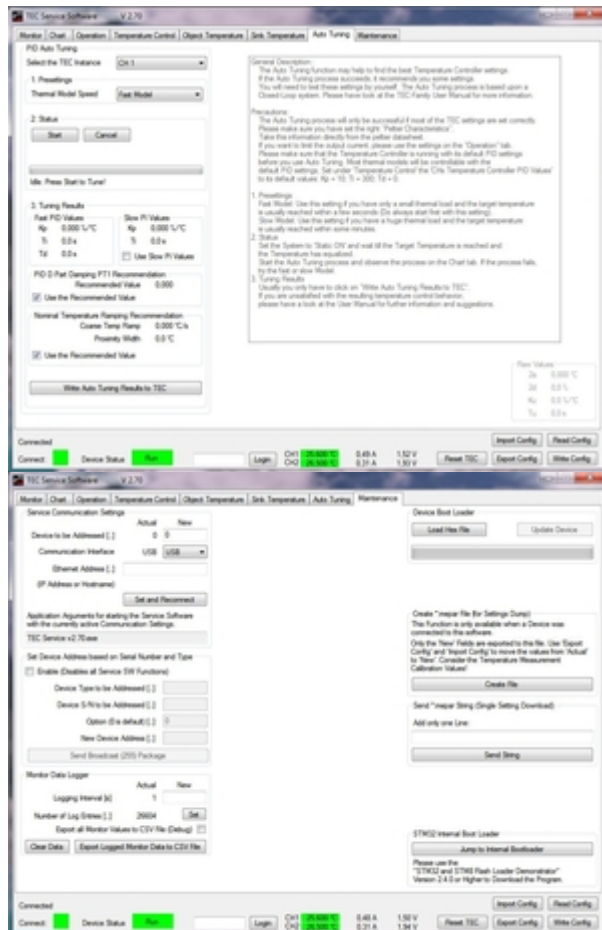
CH1 Sink Temperature Measurement Limits: Actual New Sensor Type: Lowest Resistance [Ω] 37 NTC Highest Resistance [Ω] 53600 Temperature at Lowest Resistance [°C] 232.9 Temperature at Highest Resistance [°C] -0.4

CH2 Sink Temperature Measurement Limits: Actual New Sensor Type: Lowest Resistance [Ω] 30 NTC Highest Resistance [Ω] 55500 Temperature at Lowest Resistance [°C] 245.1 Temperature at Highest Resistance [°C] -10.2

CH1 Sink Temperature General: Actual New Sink Temperature Selection: Fixed Value Fixed Temperature [°C] 25 Upper ROC Limit Error: Enabled

CH2 Sink Temperature General: Actual New Sink Temperature Selection: Fixed Value Fixed Temperature [°C] 25 Upper ROC Limit Error: Enabled

Connected Device Status: Login CH1 0.000000 0.45 A 1.45 V CH2 0.000000 0.31 A 1.31 V



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