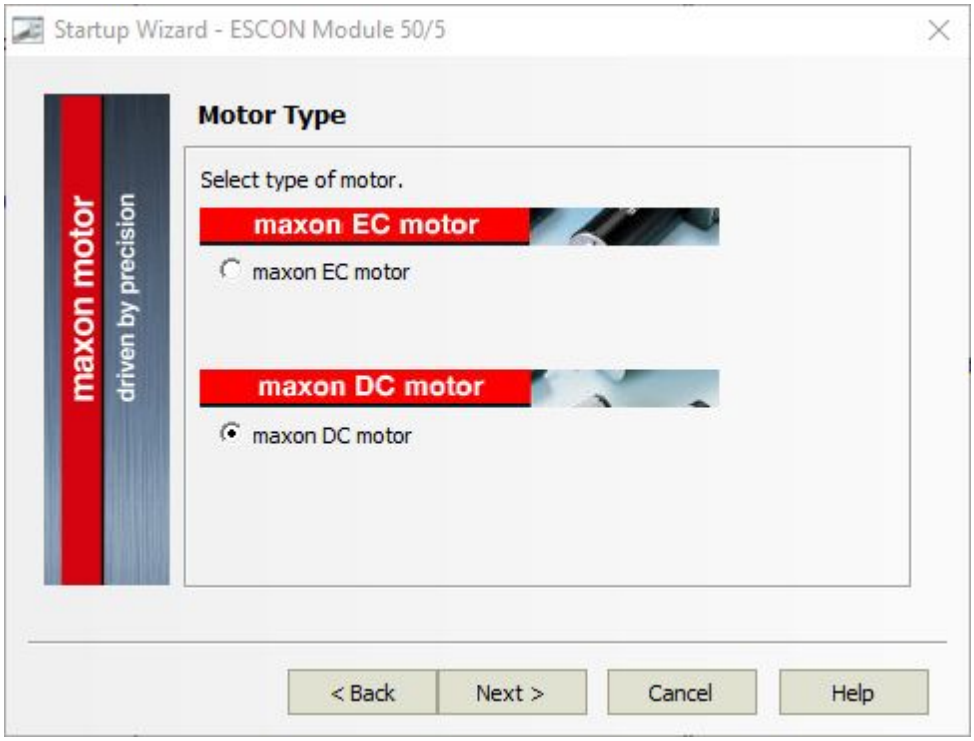
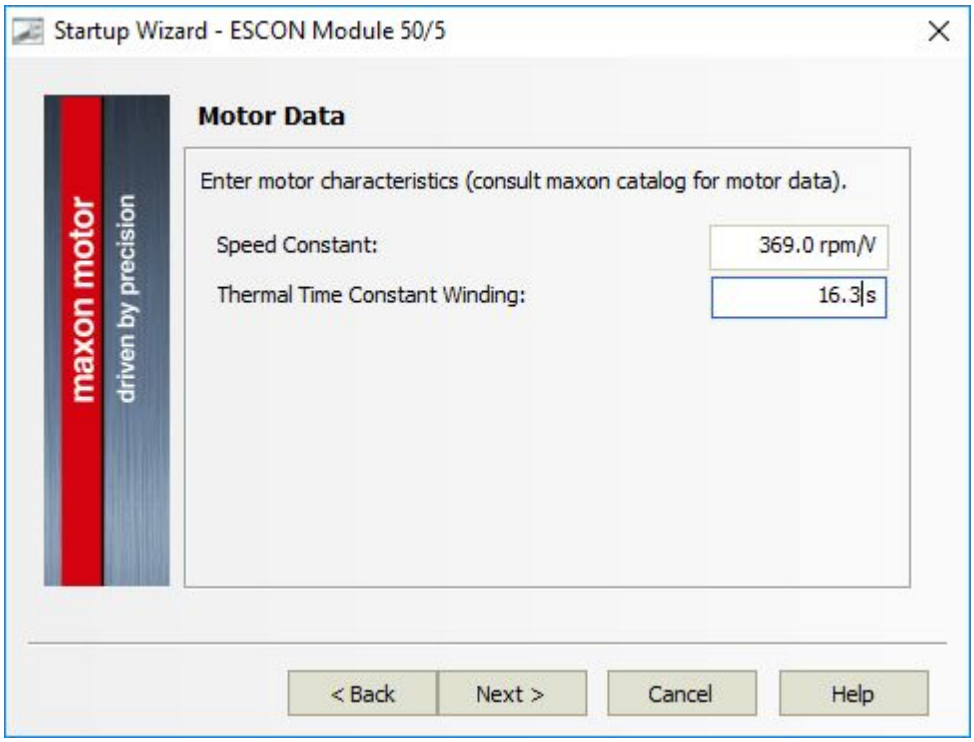
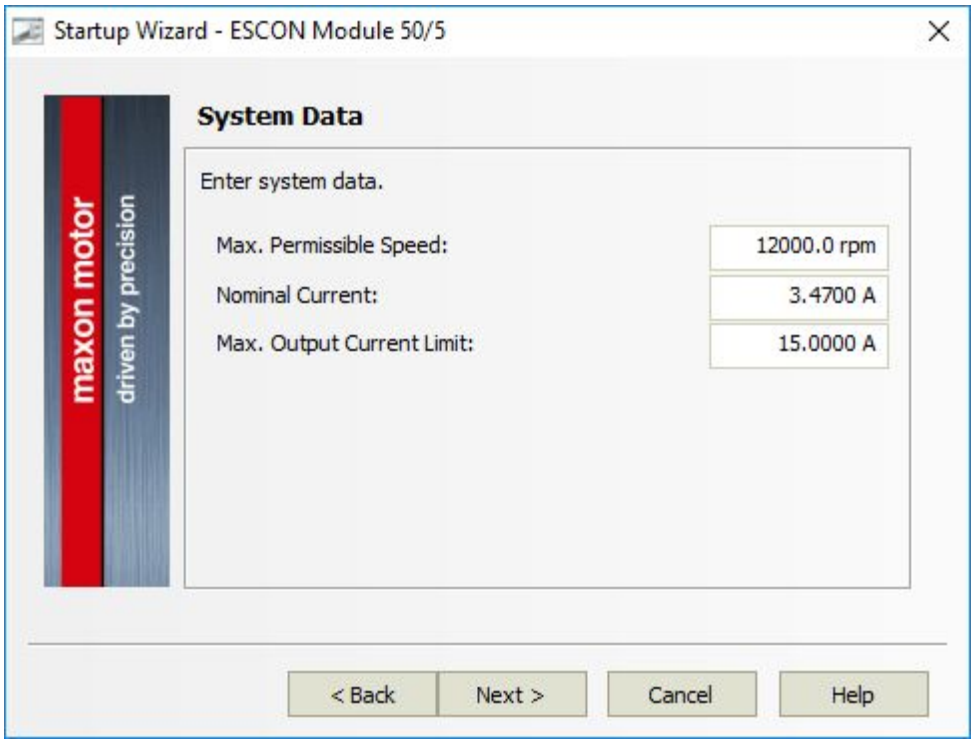
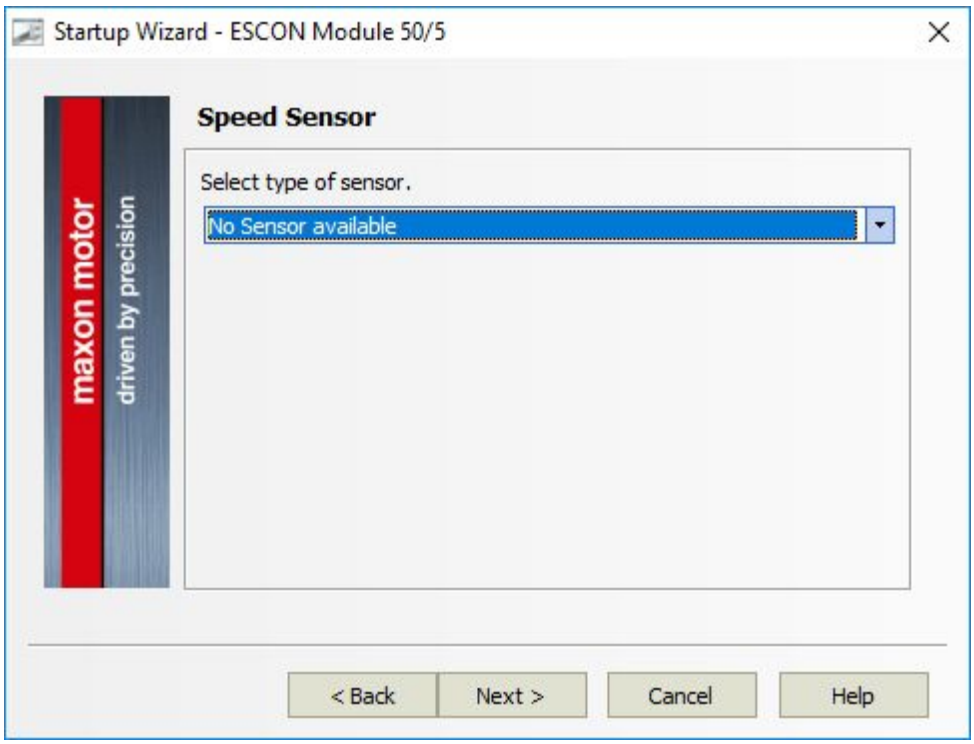
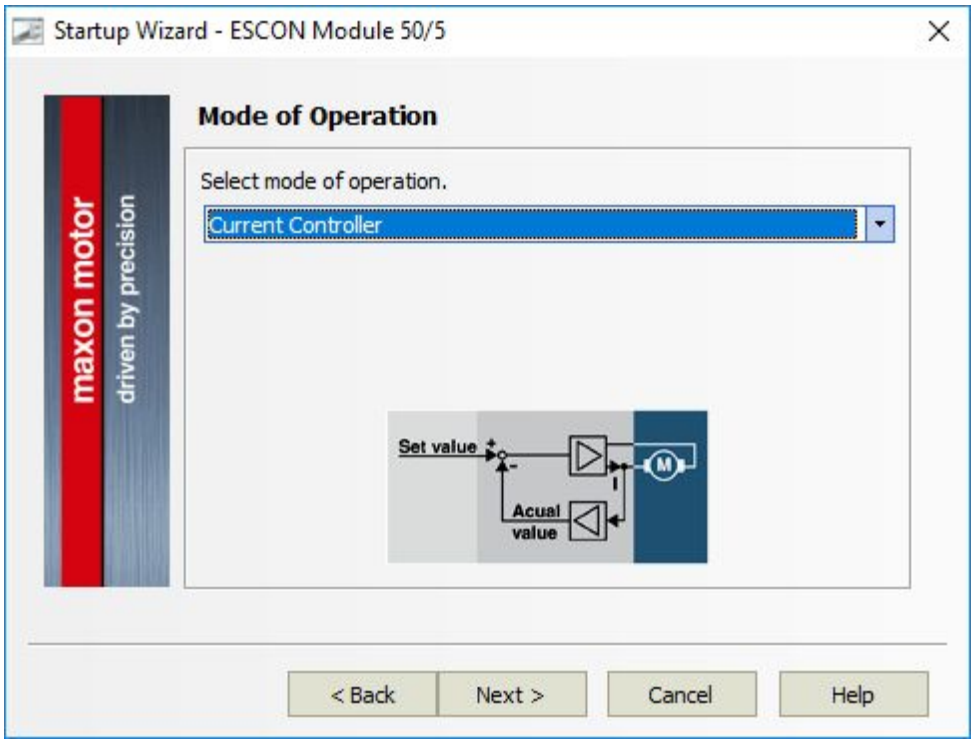
Escon config RE30 motors and PWM for WoodenHaptics 2016-2017 edition
Using “Escon Studio” software which can be found under “Downloads” at the [Escon 50/5 Website (Direct link)]

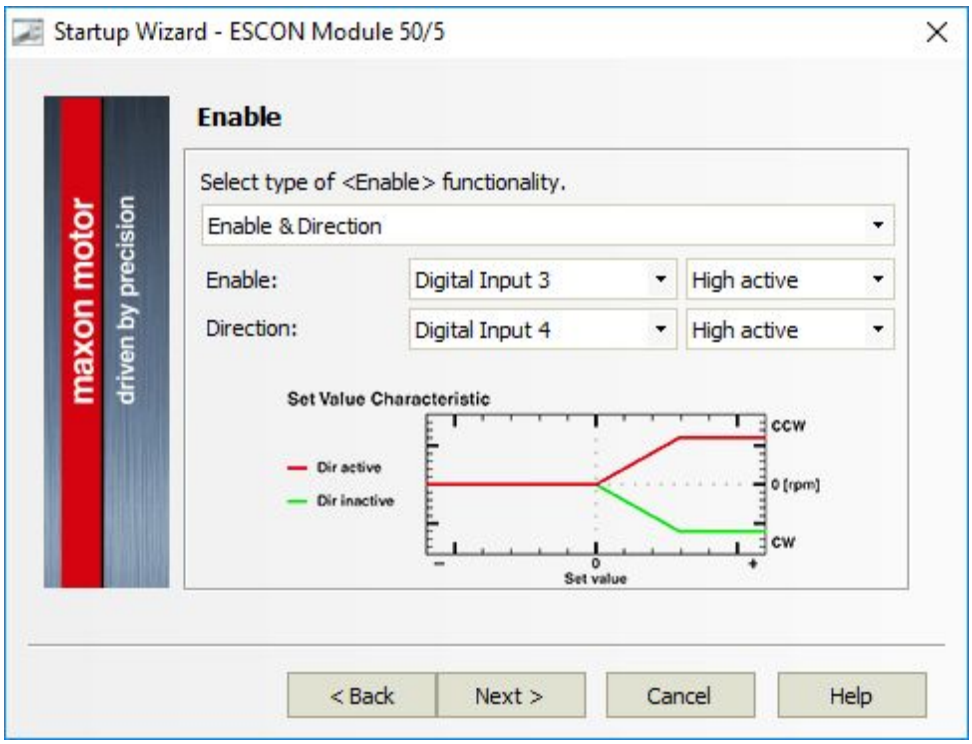




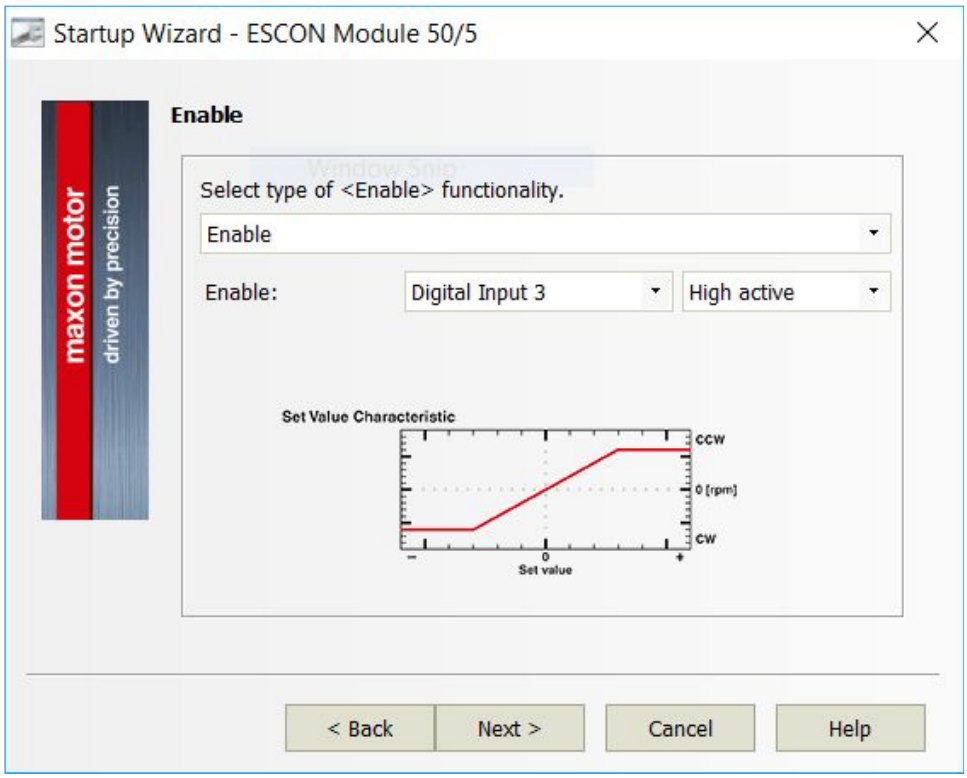

Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
System Data
Enter system data.
Max. Permissible Speed:
12000.0 rpm
Nominal Current:
3.4700 A
Max. Output Current Limit:
15.0000 A
< Back
Next >
Cancel
Help

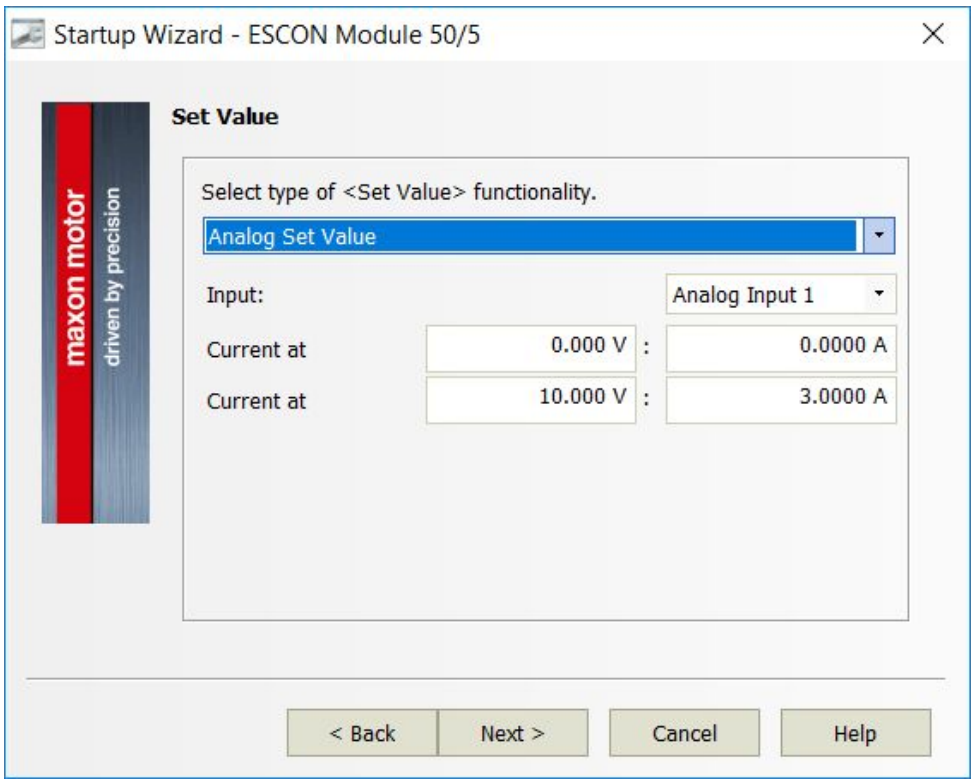

Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Speed Sensor
Select type of sensor.
No Sensor available
< Back
Next >
Cancel
Help

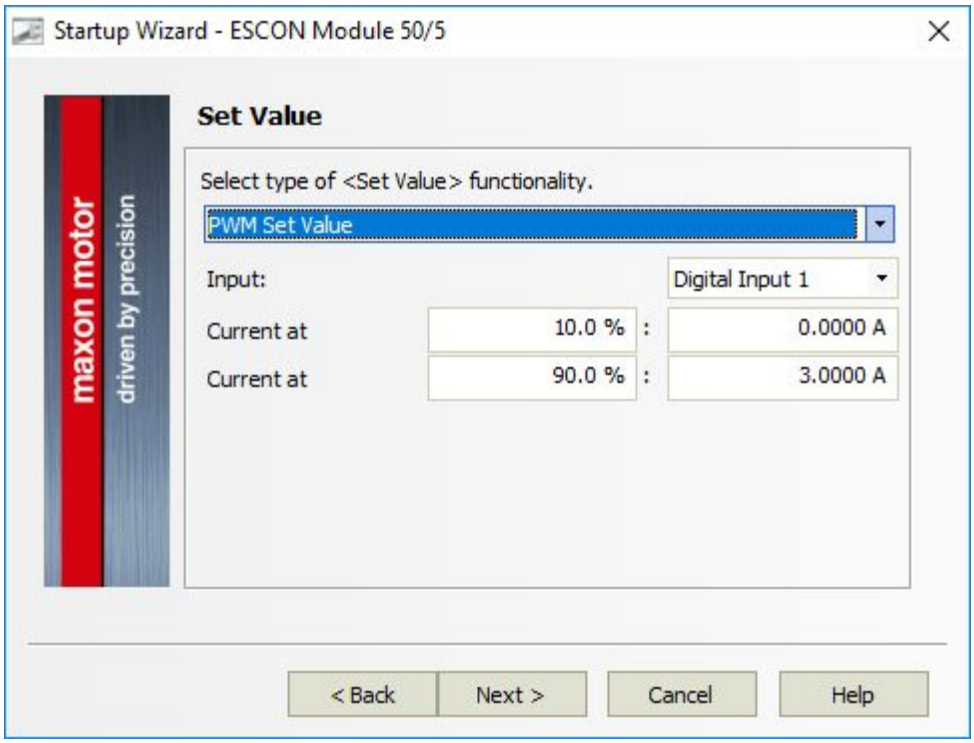

Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Mode of Operation
Select mode of operation.
Current Controller
Set value
Acual value
M
< Back
Next >
Cancel
Help

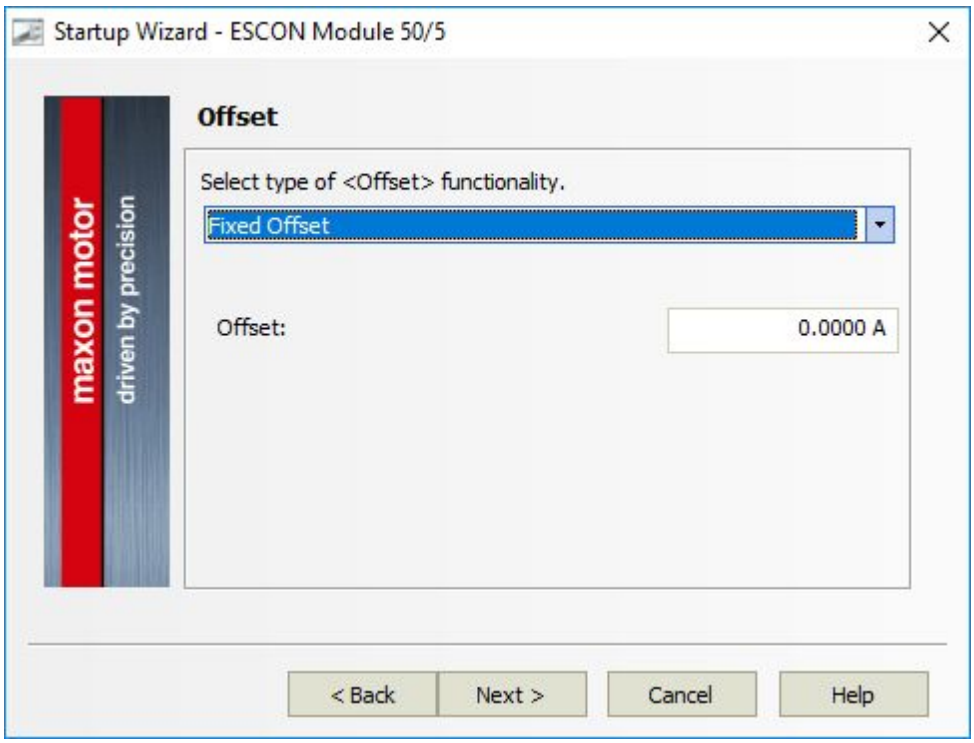

Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Enable
Select type of <Enable> functionality.
Enable & Direction
Enable:
Digital Input 3
High active
Direction:
Digital Input 4
High active
Set Value Characteristic
Dir active
Dir inactive
ccw
0 [rpm]
cw
Set value
< Back
Next >
Cancel
Help

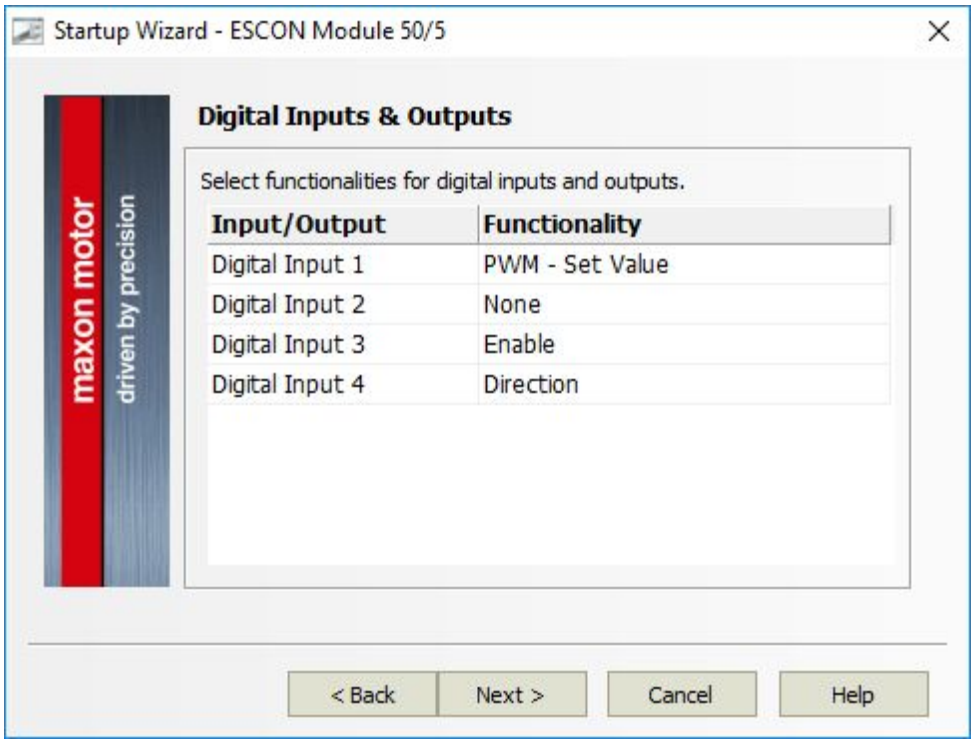
Alternatively, for ANALOG (for use with DAQ):

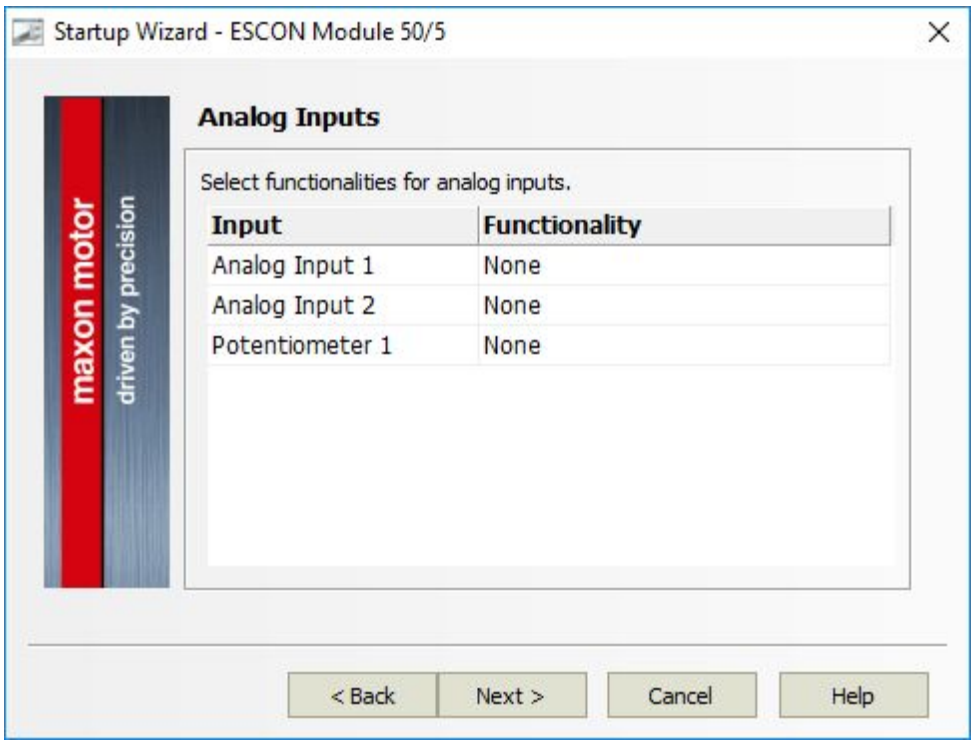


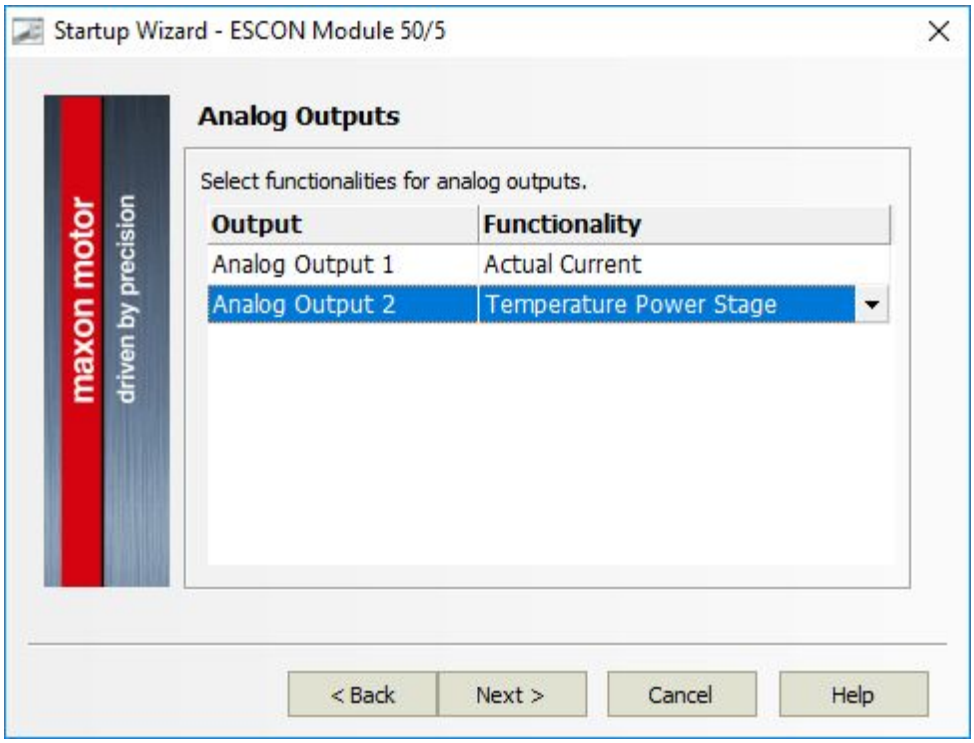


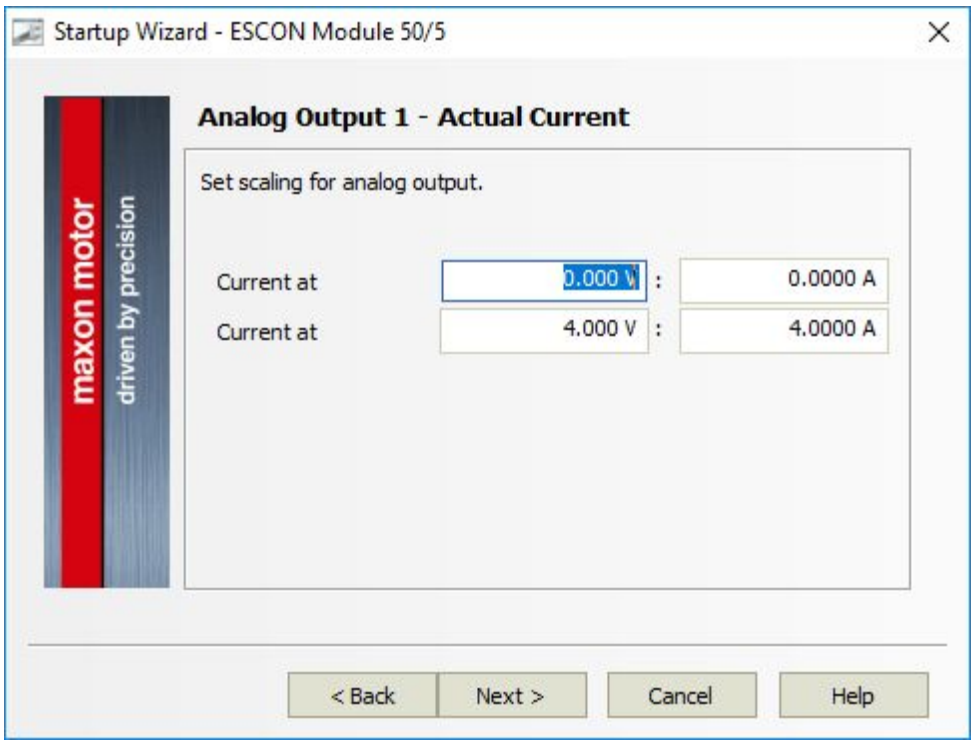

Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Set Value
Select type of <Set Value> functionality.
PWM Set Value
Input:
Digital Input 1
Current at
10.0 %
0.0000 A
Current at
90.0 %
3.0000 A
< Back
Next >
Cancel
Help

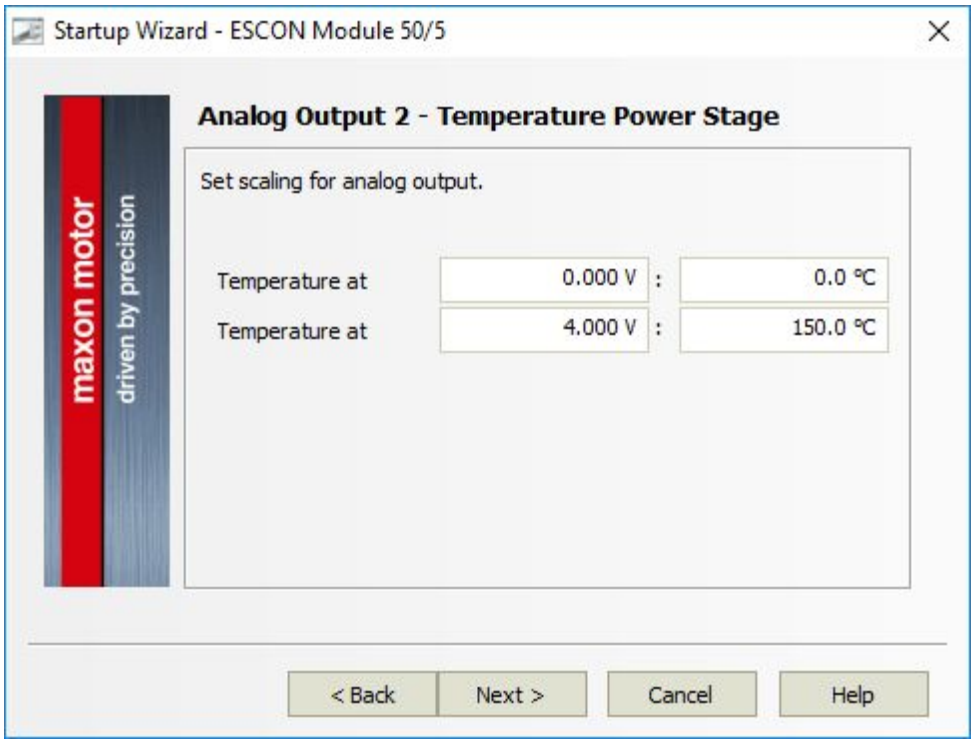

Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Offset
Select type of <Offset> functionality.
Fixed Offset
Offset:
0.0000 A
< Back
Next >
Cancel
Help


Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Digital Inputs & Outputs
Select functionalities for digital inputs and outputs.
Input/Output
Functionality
Digital Input 1
PWM - Set Value
Digital Input 2
None
Digital Input 3
Enable
Digital Input 4
Direction
< Back
Next >
Cancel
Help


Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Analog Inputs
Select functionalities for analog inputs.
Input
Functionality
Analog Input 1
None
Analog Input 2
None
Potentiometer 1
None
< Back
Next >
Cancel
Help


Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Analog Outputs
Select functionalities for analog outputs.
Output
Functionality
Analog Output 1
Actual Current
Analog Output 2
Temperature Power Stage
< Back
Next >
Cancel
Help


Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Analog Output 1 - Actual Current
Set scaling for analog output.
Current at
0.000 V
0.0000 A
Current at
4.000 V
4.0000 A
< Back
Next >
Cancel
Help


Startup Wizard - ESCON Module 50/5
maxon motor
driven by precision
Analog Output 2 - Temperature Power Stage
Set scaling for analog output.
Temperature at
0.000 V
:
0.0 °C
Temperature at
4.000 V
:
150.0 °C
< Back
Next >
Cancel
Help