

PT100 ISOLATED TEMPERATURE HEAD TRANSMITTER THP102-I



INSTALLATION GUIDE

IG_INHD_THP102-I_E02A

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INSTALLATION GUIDE



CONNECT AND CONFIGURE THP102-I PT100 ISOLATED TEMPERATURE HEAD TRANSMITTER

Pages 3 to 11





01

Connect the THP102-I transmitter to the

Mini-USB cable.

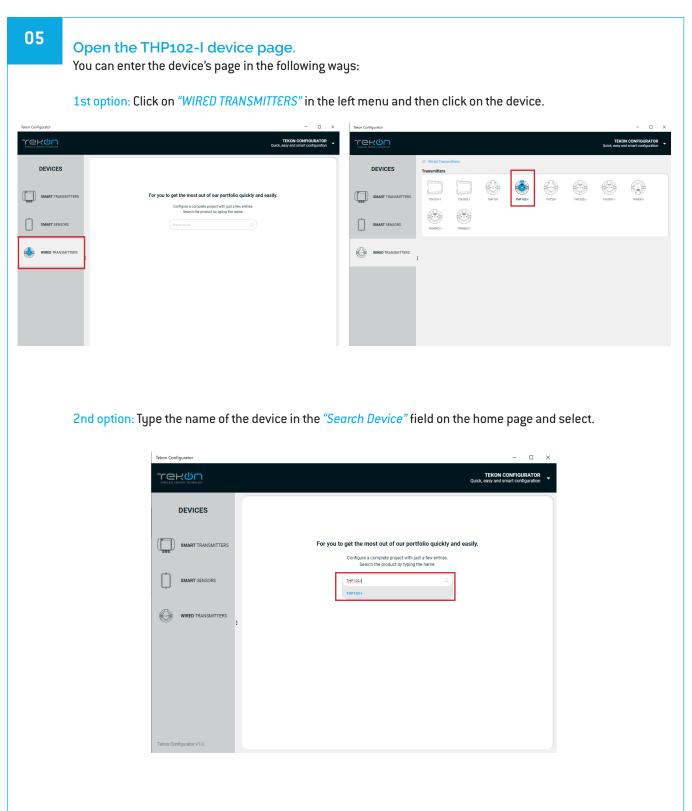
CONNECT AND CONFIGURE THP102-I PT100 ISOLATED TEMPERATURE HEAD TRANSMITTER

DOWNLOAD AND INSTALL "TEKON CONFIGURATOR" FREE SOFTWARE FROM TEKON ELECTRONICS WEBSITE

		THE REPORT OF TH
02	Connect the PT100 sensor to the THP102-I transmitter.	
03	Connect the Mini-USB cable to the computer.	
04	Open Tekon Configurator software.	









CONNECT AND CONFIGURE THP102-I PT100 ISOLATED TEMPERATURE HEAD TRANSMITTER

06	Load the "Port COM" corresponding to the THP102-I.
	TEKON CONFIGURATOR Quick, easy and Small Configuration
	DEVICES Wred Transmitters > Transmi
	Image: Control (control (c
	NOTE: If the USB cable has already been connected before opening the device page, "Port COM" will appear in the list, otherwise you need to click on the "②" button.
	otherwise you need to click on the "🖉" button.
07	
07	otherwise you need to click on the "🕙" button.
07	
07	Select corresponding Port COM ² .
07	Select corresponding Port COM ² .
07	Select corresponding Port COM ² .
07	
07	

² You can check device's serial port name in "Device Manager" on Microsoft [®] Windows[®] operating system.



CONNECT AND CONFIGURE THP102-I PT100 ISOLATED TEMPERATURE HEAD TRANSMITTER

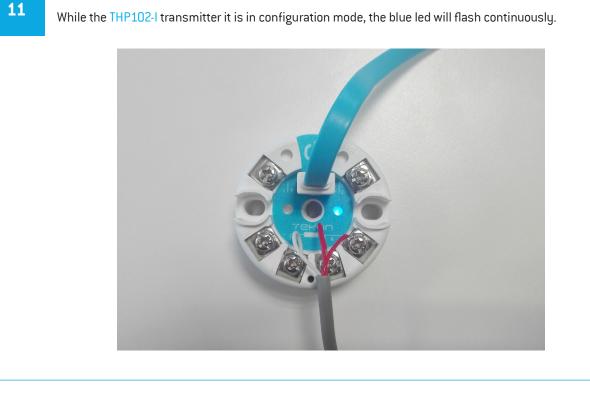
08	Click on <i>Connect</i> (💩) button.
	DEVICES
	SMART SENSORS Input Configurations Transmitter Description
	WRED TRANSMITTERS WRED TRANSMITTERS WIRED TRANSMITTERS Transpersiture Tran
	Tekon Configurator v1.0
09	The software will connect to the device.
	TEKON CONFIGURATOR Quick, easy and smart configuration DEVICES SMART TRANSMITTERS
	SMART TRANSMITTERS Functoria SMART SENSORS Input Configurations Transmitter Description Transmitter Description WIRED TRANSMITTERS Sensor Type Imput Configurations Transmitter Description
	Image: Temperature Har. Temperature Temperature Output Configurations Hin. Current (mk) Har. Current (mk) Image: Temperature Image: Tempera
	Tekon Configurator V1.0
	NOTE: If the software is unable to connect to the device, the <u>Connection Failed</u> status is displayed. If it hasn't connected, go back to the previous steps and check the port COM.



CONNECT AND CONFIGURE THP102-I PT100 ISOLATED TEMPERATURE HEAD TRANSMITTER

10 When the software connects to the device, the "Connected" message will be displayed. TEKON CONFIGURATOR Quick, easy and smart configuration rek<mark>u</mark>n A Wired Transmitters > Transmitters > THP102-I DEVICES тнр102-і 🗈 SMART TRANSMITTERS Port COH COM3 C • 3 SMART SENSORS Input Configurations Transmiter Descript Sensor Type PT100 WIRED TRANSMITTERS • Hin. Temperature ↓1000 Max. Temperature 25.32 re (°C) Output Configurations Min. Current (mA) Max. Current (mA) Current Offset (uA) Output Limits
 Lower Limit (mA)

 3.8
 Upper Limit (mA) 20.5 Error Limits Signaling Current (mA) 3.2 Configurator v1.0





CONNECT AND CONFIGURE THP102-1 PT100 ISOLATED TEMPERATURE HEAD TRANSMITTER

12 In this model, PT100 is the only sensor type accepted. TEKON CONFIGURATO rek<mark>u</mark>n A Wired Transmitters > Transmitters > THP102-I DEVICES THP102-I 🖺 • 6 ம SMART SENSORS Input Configurations TekonEb Sensor Type PT100 \odot WIRED TRANSMITTERS ≥ (°C) 25.32 0 Output Configurations Current Offset (uA) Min. Current (mA) rent (mA) Output Limits Lower Limit (mA) Upper Limit (mA) Error Limits Signaling Current (mA)

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To change the selected sensor settings, update the value of the desire parameter and select the "Write Device" option. In this example, we use the default PT100 sensor type and change the "Temperature Min." to -100 and "Temperature Max." to 0.

		TEKON CONFIGURATOR Quick, easy and smart configuration
DEVICES	Witred Transmitters > Transmitters > THP1024 THP102-1	
SMART TRANSMITTERS	Pert COH (COHS *) Ø	Connected @
SMART SENSORS	Input Configurations Transmitre Description TecoEconomics	
WIRED TRANSMITTERS	Sensor Type v (F150) v Hin. Temperature Haz. Temperature (100) 0 0	Temperature (°C) 25.32
	Output Configurations Has. Current (mA) Current offset (wk)	
	Lower Limit (mA) Upper Limit (mA) (3.8 ↔ 20.5 ↔ Error Limits Signaling current (mA).	
Tekon Configurator v1.0	(32 · ·)	

While the settings are being written, the following icon will be displayed next to the *WRITE DEVICE*" button ()

If the changes to the device have been written, the following symbol will appear (
)

If not, the following symbol will appear (X),try again and check that the device is connected correctly.

NOTE:

The "WRITE DEVICE" button will only be active when there is a change to one of the editable fields, if there is no change it will be disabled.





CONNECT AND CONFIGURE THP102-I PT100 ISOLATED TEMPERATURE HEAD TRANSMITTER

14 Click on (to read the current temperature value.	
DEVICES Image: State stat	Wred Transmitters > Transmitters	Wait for the software to read the values from the device. Wait for the
	perature reading is outside the set temperature range, the tra simultaneously.	nsmitter THP102-I red and blue led

Note: please review your settings and check the datasheet status led information to analyse all the led behaviours.



step 01	CONNECT AND CONFIC	URE THP102-I PT100 ISOLATED TEMPERAT	URE HEAD TRANSMITTER
16	- "Current Offset (uA)": value	u can set "Current Offset (uA)" and in Error Limits you add to the output current, to perform an offset. current set to alert for sensor problems (open circu	
	Tekon Configurator		- • ×
			configuration
	DEVICES	Wired Transmitters > Transmitters > THP1024	(connected @)
	SMART TRANSMITTERS	Pert COH (COH) 8	٩
	SMART SENSORS	Input Configurations Transmiter Description	
	WIRED TRANSMITTERS		irature (°C)
		-100 0 (214) Output Configurations His. Current (mA) (214) His. Current (mA) (205) (214) Output Limits (205) (205) Error Limits (205) (205) From Limits (205) (205)	

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Edit the fields and click on "Write Device" to save the changes. To return to the previous software window, click on the "Basic Options" tab.

		TEKON CONFIGURATOR Quick, easy and smart configuration
DEVICES	☆ Wired Transmitters > THP1024 THP102-1 E	
SMART TRANSMITTERS	Ren COH	
SMART SENSORS	Input Configurations Transmitter Description Teterofferencies	
WIRED TRANSMITTERS	Sensor Type v (PT100 v H Transportative (100 (0)	Temperature (°C) 23,42
	Output Configurations Has. Current (ms) Current offset (wh) 4 4 0 0 1 0 Output Limits 0 0 0 0 3.8 0 20.5 0 0	
	Error Limits Signaling Carront (ma) 3.2	

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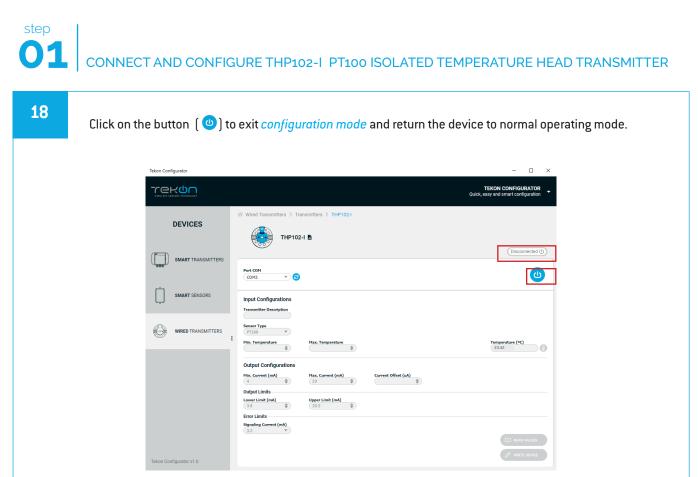
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