

PT100 MODBUS TEMPERATURE HEAD TRANSMITTER THM501



INSTALLATION GUIDE

IG_INHD_THM501_E01D

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CONNECT AND CONFIGURE THM501 TEMPERATURE HEAD TRANSMITTER

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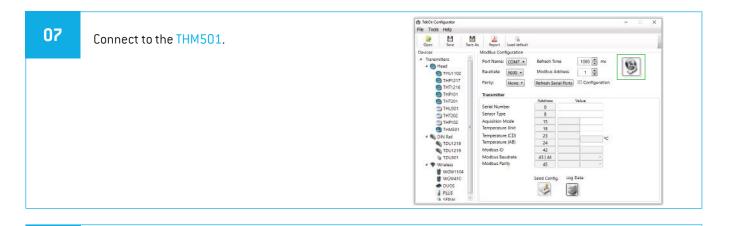
O1 CONNECT AND CONFIGURE THM501 TEMPERATURE HEAD TRANSMITTER

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

01	Execute Tekon Configurator software.	
02	Select the THM501 transmitter from the main window.	It Table Configurator - X File Tools Help - - X Period State - - X Open Computition State State State - - - X Open Computition State State State -
	Note: if you click on the name of the product, a browser window will open on the product page on Tekon Electronics website.	CON Rai CDU219 TDU219 TDU201
03	Make sure that the equipment is connected to the power supplier.	TEKON CONTRACTOR
04	Make sure that the equipment is connected with the computer through a RS485 TO USB CONVERTER CABLE or similar equipment.	



ng ms nguration



08 After successful connection, the message "Reading Success..." appear below the connection button.

The fields regarding to the transmitter variables are filled with their values.

NOTE:

If you do not connect any device to the transmitter, the temperature value will be -273.15° C.



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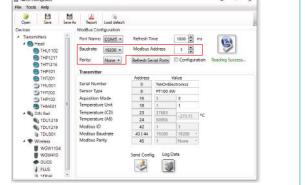


9	Read the temperature value using the Modbus protocol. The value of temperature is 32-bit format and is available in register 23 accessed through the Read Holding Registers function (FC = 03). The temperature value is in the Double32 CD AB formation type.	Turbin Configurator File Tools Help To	Vilue letrorado S 1 -773,15 % 900 - None Data
0	To edit the transmitter configurations, it is necessary to select the configuration mode. Select the checkbox before "Configuration". NOTE: The transmitter will be in Timeout, when you select the checkbox.	Badon Configurator Fler Tock: Help Com Sax Sax	Value Bestrovica 4W 5 1 1
1	Perform a power cycle, disconnecting the power plug You have a 10 seconds window to entry in configura		
2	If you succeed, the Modbus ID, Modbus Baudrate, Modbus Parity fields will be able to be edited.	Telion Configurator File Tools Help Por Tools Help Dore Set as Set as Modil Configuration Travenitiers Travenitiers The Instance Th	Value Electronics



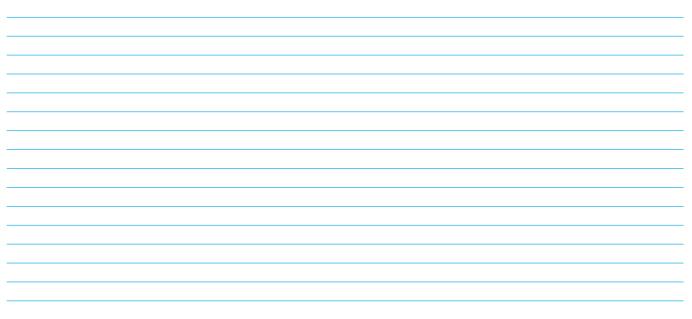
3	To write the share was in the Constant	dig telon configurator - □ X File Tools Help
	To validate the changes in configuration mode, you have to click in the Send Config	Open Save Save As Report Load settuit. Devices Modilus Configuration
	button.	Phead Philips nine Bourister Philips nine Bourister Philips nine Bourister Philips nine Bourister Philips Philips nine Bourister Philips Phil
		This in the sense were sense with the sense with the sense were sense with the sense were sense with the sense were sense sense were sense sense were sense were sense were sense were sense were sense were
	You must proceed this way to any single	THT201 Tetr201 Tetr201 Tetr201 Tetr202 Tetr20 Tetr202 Tetr20 Tetr2
	change.	THP102 Temperature 400 Temperatu
		10/1719 Moduci ED 42 1 1 TUJ01 Moduci Educaria 43/44 9600 9600 Moduci Balay A5 1 Mode *
		WGW1104 WGW410 Send Config. Log Data
		PDUS A CFDIAL
		(t) TekCn Configurator – □ X Fle Tools Help
}	To exit Configuration Mode, unmark the	Com Save Save A Report Load default Devices Modeline Configuration
	checkbox behind.	Tansmitters A Bindender Point Name (20047) Refeesh Tune 1000 B ms Baudrate: 19200 - Modbus Address 1 B
		Third Top Territz 1:5 Third 1:2 Third 1:2 Third 2:1 Thi
		Hillon Halve
		THPIO2 Aquisition Mode 15 3 3 THPIO2 THINGO1 Temperature Unit 18 1 1 Temperature Unit 18 1 1
		▲ Unix and temperature (MO) 223 (2003) ▲ TOUL215 Temperature (MO) 224 (2003) ▲ TOUL215 Modeus ID 42 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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	Update the Baudrate, Modbus Address and	CUUS Tatón Configurator Fier Tools Help Count Service Monoto Land delark
5	Update the Baudrate, Modbus Address and Parity to the values that you have changed in Configuration Mode and perform a power	PUUS VUS

The changes will be enable when the message "Reading Success..." appears below the Connection button.



MODBUS TABLE (HOLDING REGISTERS)			
Description	Address	Туре	Values
Acquisition mode configuration	15	UINT16	3 - PT100 2W 4 - PT100 3W 5 - PT100 4W
Temperature format configuration	18	UINT16	1 - °C 2 - °F 3 - K
Temperature value	23	DOUBLE32 (CD AB)	









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