

Description of Device Parameters

iTEMP TMT182B

Temperature transmitter

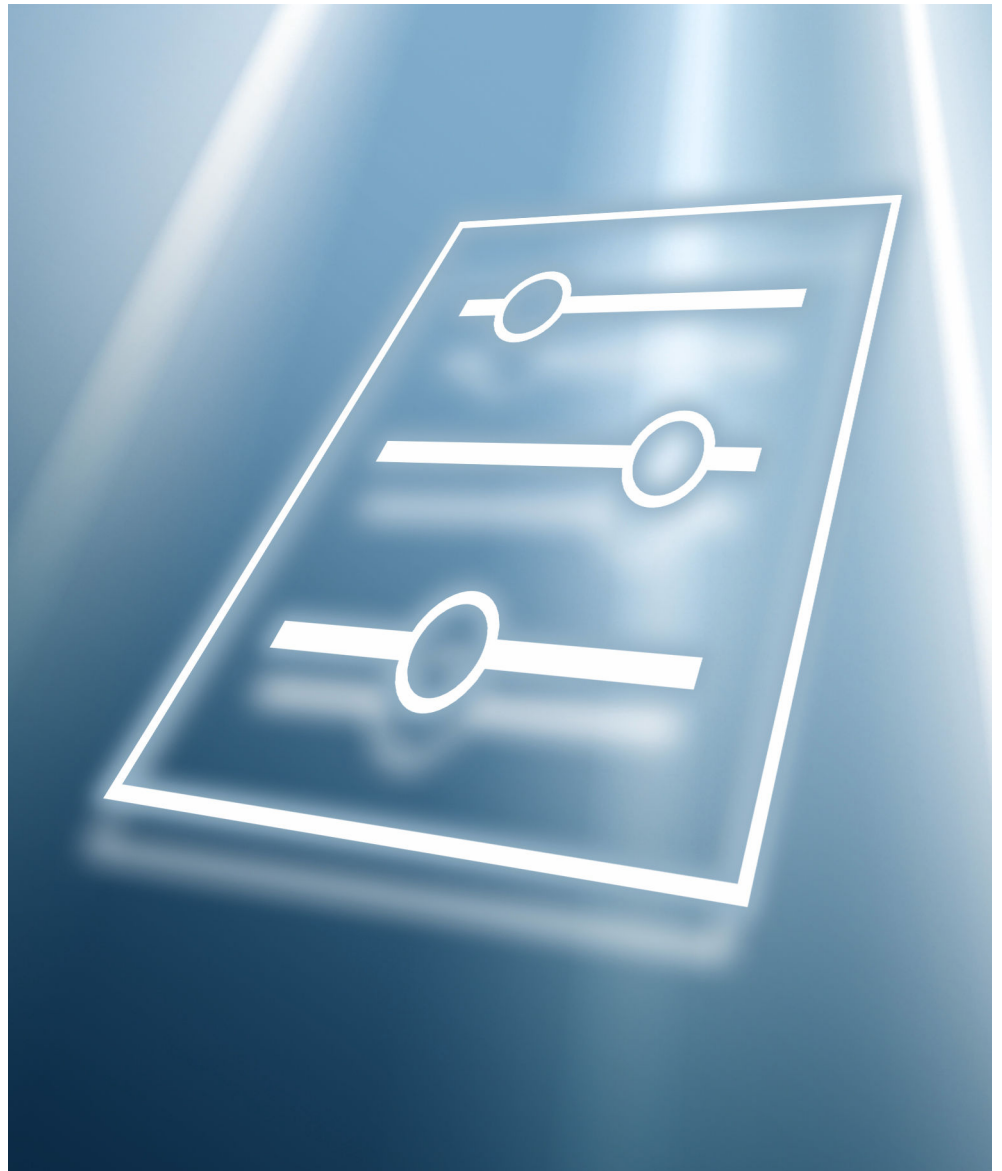


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1 About this document

1.1 Document function

The document is part of the Operating Instructions and serves as a reference for parameters, providing a detailed explanation of each individual parameter of the operating menus.

It is used to perform tasks that require detailed knowledge of the function of the device:

- Optimal adaptation of the measurement to difficult conditions
- Detailed configuration of the communication interface
- Error diagnostics in difficult cases

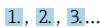
1.2 Target group

The document is aimed at specialists who work with the device over the entire life cycle and perform specific configurations.

1.3 Using this document

1.3.1 Symbols for certain types of information

Symbol	Meaning
	Permitted Procedures, processes or actions that are permitted.
	Preferred Procedures, processes or actions that are preferred.
	Forbidden Procedures, processes or actions that are forbidden.
	Tip Indicates additional information.
	Reference to documentation
	Reference to page
	Reference to graphic
	Notice or individual step to be observed
	Series of steps
	Result of a step
	Help in the event of a problem
	Visual inspection
 A0028662	Operation via local display
 A0028663	Operation via operating tool
 A0028665	Write-protected parameter

Symbol	Meaning	Symbol	Meaning
	Permitted Procedures, processes or actions that are permitted.		Preferred Procedures, processes or actions that are preferred.
	Forbidden Procedures, processes or actions that are forbidden.		Tip Indicates additional information.
	Reference to documentation		Reference to page
	Reference to graphic		Series of steps
	Result of a step		Visual inspection

1.3.2 Information on the document structure

The parameters of all the operating menus and the commissioning wizard are described in this document.

- **Guidance** menu with the **Commissioning** wizard (→  14), which guides the user automatically through all the device parameters that are needed for commissioning
- **Diagnostics** menu (→  22)
- **Application** menu (→  30)
- **System** menu (→  43)

1.3.3 Structure of a parameter description

The individual parts of a parameter description are described in the following section:

Complete parameter name		Write-protected parameter = 
Navigation	 Navigation path to the parameter via the operating tool  The names of the menus, submenus and parameters are abbreviated to the form in which they appear on the display and in the operating tool.	
Prerequisite	The parameter is only available under these specific conditions	
Description	Description of the parameter function	
Selection	List of the individual options for the parameter ■ Option 1 ■ Option 2	
User entry	Input range for the parameter	
User interface	Display value/data for the parameter	
Factory setting	Default setting ex works (if not explicitly selected)	
Additional information	Additional explanations (e.g. in examples): ■ For individual options ■ For display values/data ■ For the input range ■ For the factory setting ■ For the parameter function	

1.4 Documentation

The Description of Device Parameters is part of the following documentation:



Temperature transmitter iTEMP TMT182B: **BA02260T**

2 Overview of the operating menu

Navigation  Operating tool

Guidance	→  14
► Commissioning	→  14
► Device management	→  14
Device tag	→  14
Device name	→  15
Serial number	→  15
Extended order code 1 to 3	→  15
► Sensor	→  16
Unit	→  16
Sensor type	→  16
Connection type	→  17
2-wire compensation	→  17
Reference junction	→  18
RJ preset value	→  18
► Current output	→  18
Lower range value output	→  18
Upper range value output	→  19
Failure mode	→  19
► User management	→  19
Access status	→  20
New password	→  20

Confirm new password	→ 20
Status password entry	→ 20
► Import / Export	→ 21
Create configuration report	→ 21
Save / Restore	→ 21
Diagnostics	→ 22
► Active diagnostics	→ 23
Actual diagnostics 1	→ 23
Operating time	→ 23
► Diagnostic list	→ 24
Actual diagnostics 1 to 3	→ 24
Actual diag 1 to 3 channel	→ 24
Timestamp 1 to 3	→ 24
► Event logbook	→ 25
Previous diagnostics 1 to 10	→ 25
Previous diag 1 to 10 channel	→ 25
Timestamp 1 to 10	→ 25
► Simulation	→ 26
Diagnostic event simulation	→ 26
Current output simulation	→ 26
Current output value	→ 26
Sensor simulation	→ 27
Sensor simulation value	→ 27

▶ Diagnostic settings	→ 27
Alarm delay	→ 27
Thermocouple diagnostic	→ 28
▶ Minimum/maximum values	→ 28
Sensor min value	→ 28
Sensor max value	→ 28
Reset sensor min/max values	→ 29
Device temperature min value	→ 29
Device temperature max value	→ 29
Reset device temp. min/max values	→ 29
Application	→ 30
▶ Measured values	→ 31
Sensor value	→ 31
Sensor raw value	→ 32
Output current	→ 32
Percent of range	→ 32
Device temperature	→ 32
PV	→ 32
SV	→ 33
TV	→ 33
QV	→ 33
▶ Sensor	→ 34
▶ Sensor	→ 34
Unit	→ 34
Sensor type	→ 34

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