

Programming unit For temperature transmitters and resistance thermometers Model PU-548

WIKA data sheet AC 80.18

Applications

- For easy configuration of digital temperature transmitters and compact thermometers with integrated transmitter
- For use with the WIKAsoft-TT configuration software

Special features

- Easy to use
- LED status display
- Compact design
- No further voltage supply needed, neither for the programming unit nor for the transmitter
- No driver installation needed (Windows® standard drivers are used)



Programming unit model PU-548 with magWIK

Description

With this model PU-548 programming unit, digital temperature transmitters and compact thermometers with integrated transmitter using the WIKA-internal protocol can be configured quickly and very easily.

The programming unit provides a clear status/diagnostic display and checks, for each contact, the connection from programming unit to PC and the transmitter.

A bright LED in the transparent case indicates to the user the current status of the connection. This ensures that faulty connections are recognised immediately.

The programming unit needs no additional voltage supply. The required voltage is taken entirely from the USB interface.

Together with the WIKAsoft-TT configuration software, a perfect tool is available, with which one can configure temperature transmitters or compact thermometers very easily and outstandingly quickly.

The electrical connection of the terminals for the configuration of the head-mounted temperature transmitter version is achieved using the magWIK quick connector (Patent, property rights registered under No. 102009044676.1).

For the connection to the compact thermometers with coupler connectors, suitable adapter cables are available.

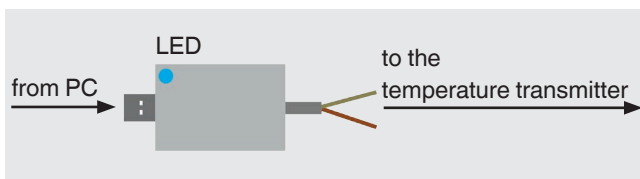
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Specifications	Programming unit model PU-548
USB interface	USB connector type A
Voltage supply	The PU-548 and therefore also the connected transmitters/thermometers are powered through the USB port. Thus no additional voltage supply is needed.
Power supply	max. 160 mA at +5 V, via USB port
Connection to computer	USB connector
Connection to transmitter	<ul style="list-style-type: none"> ■ 2 x Ø 2 mm banana plugs (with magWIK quick connector) ■ Adapter cable for M12 connector ■ Adapter cable for angular DIN connector, form A
Output voltage	Max. 30 V
Operating temperature	5 ... 50 °C
Storage temperature	-20 ... +70 °C
Relative humidity	10 ... 90 % r. h.
Dimensions <ul style="list-style-type: none"> ■ Case ■ Test clip cable 	50 x 25 x 15.5 mm, ABS industrial case approx. 80 cm (2-wire)
Electromagnetic compatibility (EMC)	EN 61326 emission (group 1, class B) and EN 55011 immunity (industrial application)

LED diagnostics

The model PU-548 programming unit is fitted with an LED for clear status display. Through different light and flashing behaviour, detailed status diagnostics are enabled.

LED behaviour			Status
Off	On	Flashing	
x			Current loop not active
	x		Current loop active
		x (fast)	Data transfer
		x (slowly)	Connection to the PC and instrument is ready for operation

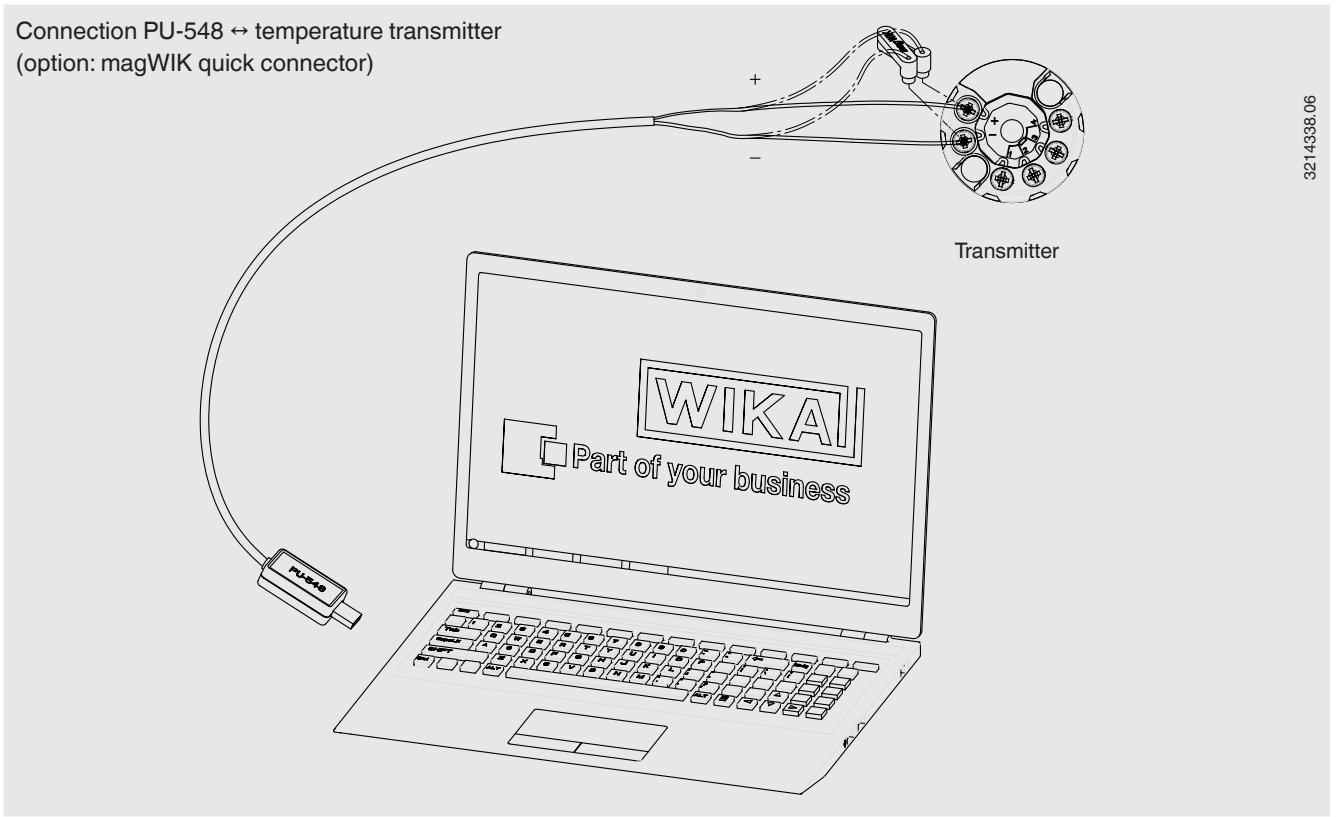


Connecting the PU-548 programming unit

Head-mounted version: magWIK quick connector

Rail-mounted version: Connection via flush sockets
(with temperature transmitter)

Connection PU-548 ↔ temperature transmitter
(option: magWIK quick connector)

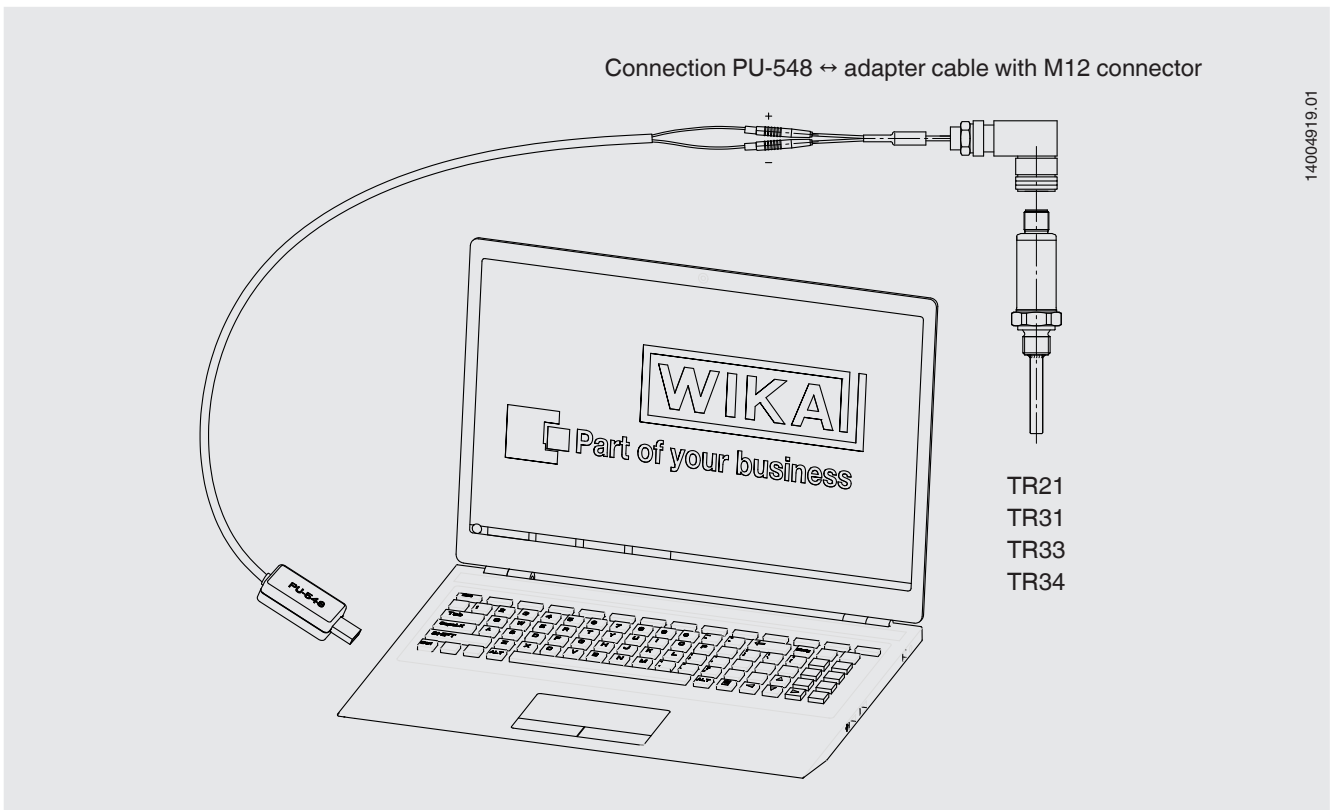


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Adapter cable for M12 connector

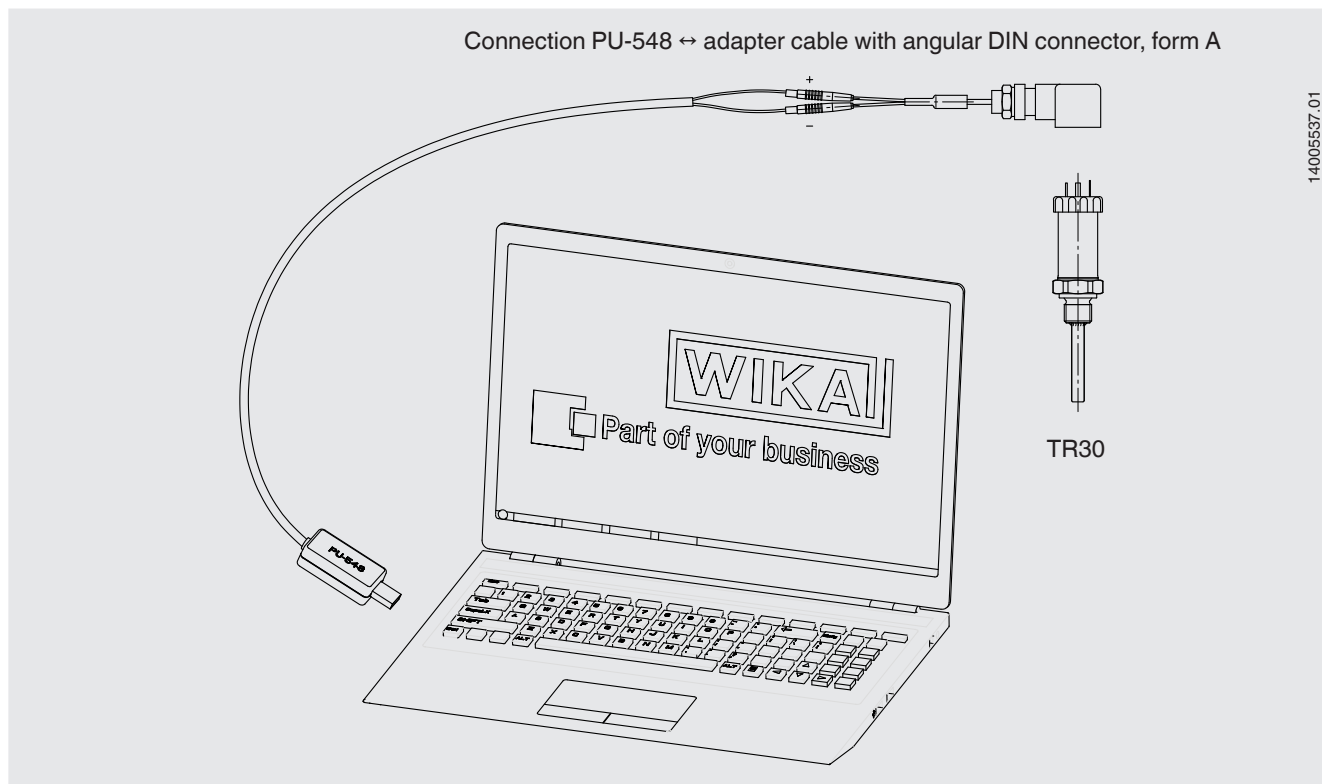
(with compact thermometer)

Connection PU-548 ↔ adapter cable with M12 connector



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Adapter cable for angular DIN connector, form A
(with model TR30 resistance thermometer)



Order numbers

Products	Order number
Programming unit PU-548 (incl. magWIK)	14231581
Quick connector magWIK (incl. banana plug)	14026893
Adapter cable for M12 connector	14003193
Adapter cable for angular DIN connector, form A	14005324
Software WIKAsoft-TT	Free download from: www.wika.com/Download Configuration of all temperature transmitters with WIKA-internal protocol

Ordering information

To order the described product the order number is sufficient.

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We reserve the right to make modifications to the specifications and materials.



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