

Multiplexer Model CTS3000

WIKA data sheet AC 87.01

Applications

- Expansion of channels for the measuring instrument
- Extended measured value registration
- Temperature mapping

Special features

- No loss of accuracy for the measuring instrument
- No loss of channels at the measuring instrument
- Up to four multiplexers can be stacked
- No parasitic thermal voltages due to high-quality materials
- By using of solid-state relays no wear and no clacking



Multiplexer model CTS3000 in desktop case



Multiplexer model CTS3000 in built-in case for 19" rack

Description

The model CTS3000 multiplexer is a component of the modular system of our precision thermometer series. It is used to switch between several thermometers in order to make the measured value registration easier or even to automate it. This saves time and with that, also money.

Our multiplexer can only be used with one of our model CTR precision thermometers. These feed and communicate completely autonomously with the multiplexer.

The multiplexer is operated reliably by solid-state relays, so that high-precision switching from channel to channel is possible. Due to the use of high-quality materials, no loss of accuracy is to be expected, either.


All settings for the thermometer on a specific channel, such as the measuring range, characteristic curves or measuring current, are made directly on the measuring instrument. In addition, these settings can be comfortably managed from a PC and also via the interface of the measuring instrument.

Specifications

Model CTS3000

Multiplexer	
Number of channels	10
Channel indication	LED
Probe connection	4 mm banana jacks and TC mini connectors
Case type	<ul style="list-style-type: none"> ■ Desktop case ■ Built-in case for 19" rack
Connection to measuring instrument	
Max. number per measuring instrument	4
Selectable probe types	
Pt100 – 3-wire	✓
Pt100 – 4-wire	✓
Thermistors	✓
Thermocouples	✓
Measuring instrument assignment	
CTR3000	✓
Permissible ambient conditions	
Operating temperature	0 ... 50 °C [32 ... 122 °F]
Relative humidity	0 ... 60 % r. h. (non-condensing)
Storage temperature	-20 ... +50 °C [-4 ... +122 °F]
Case	
Dimensions (W x H x D)	see technical drawings
Weight	4 kg [8.8 lbs]

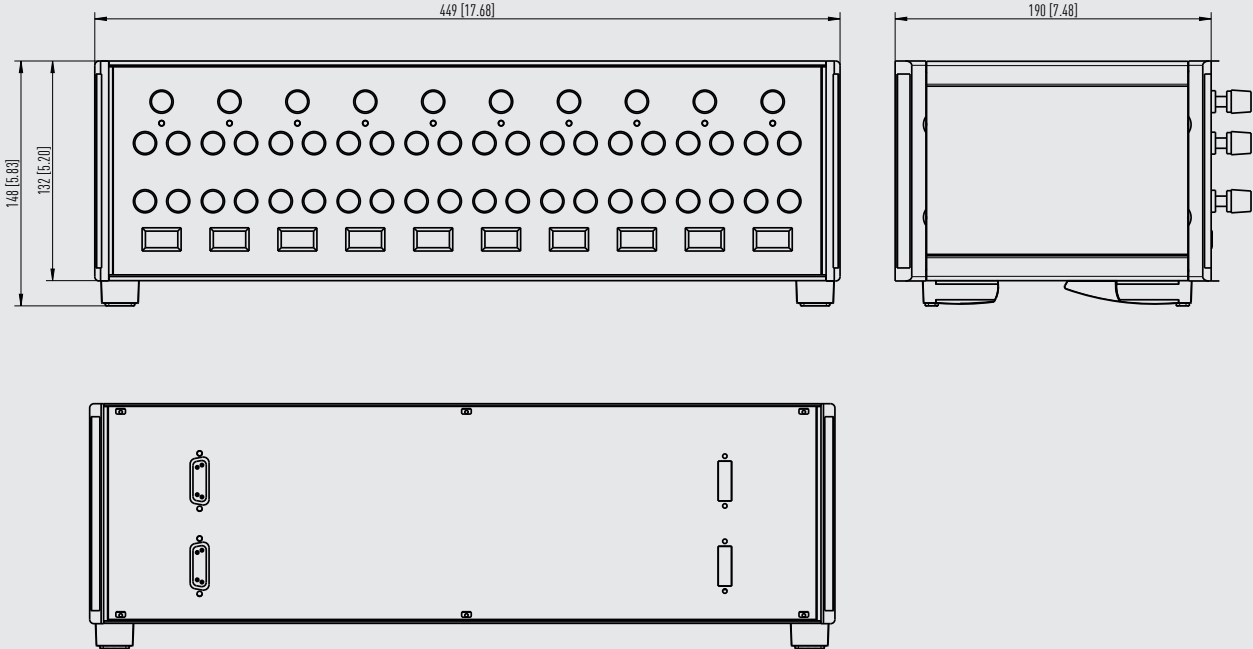
Approvals

Logo	Description	Country
	EU declaration of conformity <ul style="list-style-type: none"> ■ EMC directive ■ RoHS directive 	European Union

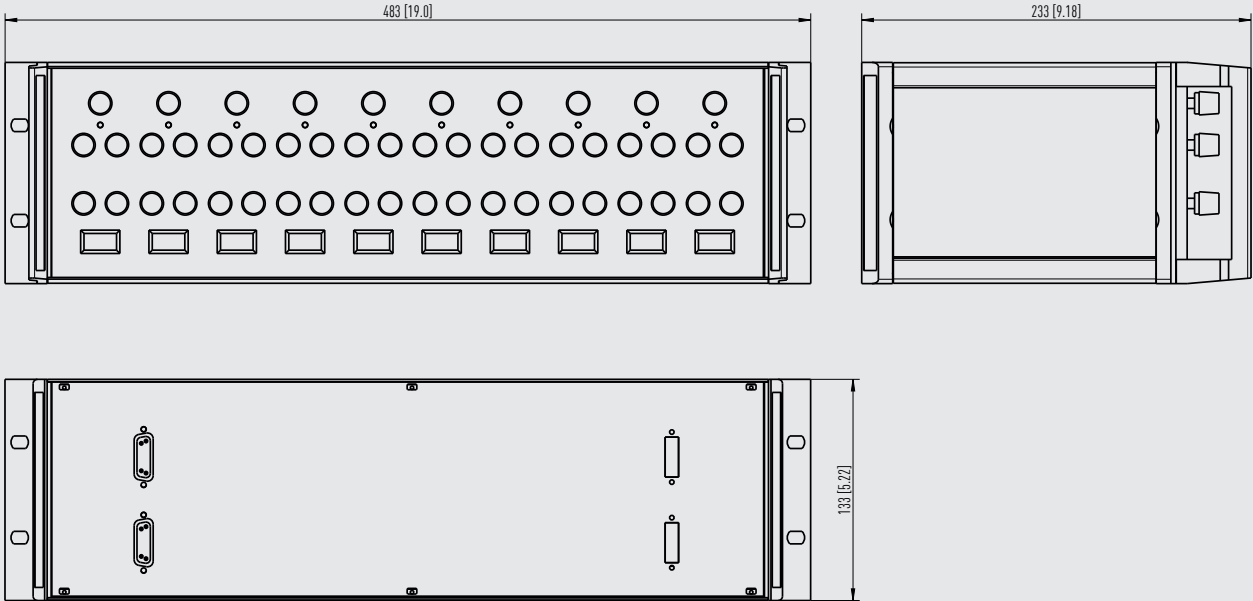
Approvals and certificates, see website

Dimensions in mm (in)



Desktop case



Built-in case for 19" rack



Accessories

		Order code
	Temperature probe model CTP5000 Immersion probe	CTP5000
	Thermocouple model CTP9000 Immersion probe type S With or without cold junction	CTP9000

Scope of delivery

- Multiplexer model CTS3000
- Connection cable to measuring instrument

Option

- Desktop case
- 19" rack

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

