

RTD Temperature Transmitter 588225 (6543-00)

FESTO

LabVolt Series

Datasheet



* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

Festo Didactic
en
11/2024

Table of Contents

General Description _____	3
Specifications _____	3

General Description

The RTD Temperature Transmitter is an RTD temperature transmitter with a single three-wire 100 Ω platinum probe and a built-in calibration source. Its outputs are controlled using 0-5 V dc or 4-20 mA signals and are calibrated at 100 mV/ $^{\circ}$ C (56 mV/ $^{\circ}$ F). The supply voltage of the RTD Temperature Transmitter is 24 V dc.

The RTD Temperature Transmitter has a fixed calibration mode with the zero at 0 $^{\circ}$ C (32 $^{\circ}$ F) and a span of 100 $^{\circ}$ C (212 $^{\circ}$ F). It also has a variable calibration mode with the zero adjustable between 0 $^{\circ}$ C and 50 $^{\circ}$ C (32 $^{\circ}$ F and 122 $^{\circ}$ F) and a span adjustable between 15 $^{\circ}$ C and 30 $^{\circ}$ C (27 $^{\circ}$ F and 54 $^{\circ}$ F) above the temperature set by zero adjustment.

Specifications

Parameter	Value
Supply Voltage	24 V dc
Input	
Number	One
Type	Three-wire 100 Ω platinum probe
Calibration Source	Built-in
Outputs	
Control	0-5 V dc, 4-20 mA
Calibrated	100 mV / $^{\circ}$ C (56 mV / $^{\circ}$ F)
Fixed calibration mode	
Zero	0 $^{\circ}$ C (32 $^{\circ}$ F)
Span	100 $^{\circ}$ C (212 $^{\circ}$ F)
Variable calibration mode	
Zero	Adjustable between 0 and 50 $^{\circ}$ C (32 and 122 $^{\circ}$ F)
Span	Adjustable between 15 and 30 $^{\circ}$ C (27 and 54 $^{\circ}$ F) above temperature set by ZERO adjustment.

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

Festo Didactic reserves the right to make product improvements at any time and without notice and is not responsible for typographical errors. Festo Didactic recognizes all product names used herein as trademarks or registered trademarks of their respective holders. © Festo Didactic Inc. 2024. All rights reserved.

Festo Didactic SE

Rechbergstrasse 3
73770 Denkendorf
Germany

P. +49(0)711/3467-0
F. +49(0)711/347-54-88500

Festo Didactic Inc.

607 Industrial Way West
Eatontown, NJ 07724
United States

P. +1-732-938-2000
F. +1-732-774-8573

Festo Didactic Ltée/Ltd

675 rue du Carbone
Québec QC G2N 2K7
Canada

P. +1-418-849-1000
F. +1-418-849-1666

www.labvolt.com

www.festo-didactic.com