# Expansion thermometer Exhaust gas temperature controller Model STW15

WIKA data sheet TV 28.05

#### **Applications**

- Temperature monitoring device for heat generation plants
- For heat generators with 2 fuels

#### **Special features**

- High switching reliability
- Temperature indicator and safety temperature monitor in a single instrument
- Version per DIN EN 14597
- Overtemperature safe up to 600 °C



Exhaust gas temperature controller, model STW15

### **Description**

The safety temperature controller model STW15 has been designed for the operating medium of air (flue gas). It will open a control circuit when the temperature on the temperature sensor exceeds the non-adjustable set point.

Damage to the measuring system also leads to an interruption of the circuit, as required by the enhanced safety. The measuring system is coupled with a pointer which displays the respective temperature status on a scale.



#### Standard version

Nominal size in mm

72 x 72

Temperature range

Overtemperature safe up to +600 °C

Switch point

fixed between 50 ... 300 °C

Switch point accuracy

±6 K

**Switching differential** 

12 K

Dial

Aluminium, white, black lettering

Measuring principle

Bourdon tube system

Contact

Micro switch

**Contact version** 

1 fixed change-over contact

2 fixed change-over contacts (same switch point)

Switch rating

max. 5 A, AC 250 V non-inductive

Connection, electrical

0.8 x 6.3 mm blade terminal or terminal connection

Case

Plastic, black

**Mounting option** 

with mounting bracket

Ingress protection

IP53 case in accordance with EN/IEC 60529

Temperature sensor

Stainless steel

**Threaded connection** 

Steel, galvanised

Measuring line

1.4571 stainless steel, Ø 2 mm

Length of the measuring line

Standard 1.5 m, max. 5 m

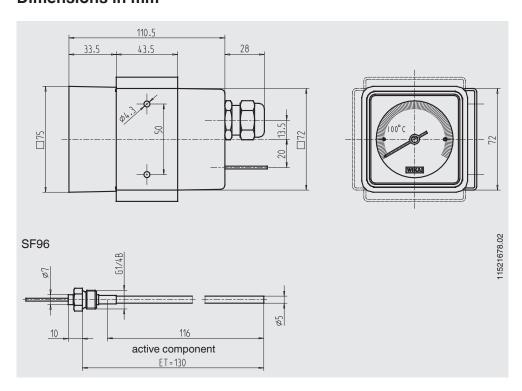
Measuring line outlet

Eccentric back mount

Version

tested in accordance with DIN EN 14597 and pressure equipment directive

#### **Dimensions in mm**



## **Approvals**

Logo	Description	Country
C€	EC declaration of conformity  ■ Pressure equipment directive  ■ Low voltage directive	European Community
ERE	EAC (option) Electromagnetic compatibility	Eurasian Economic Community
<b>©</b>	GOST (option) Metrology, measurement technology	Russia

## **Certificates (option)**

2.2 test report per EN 10204 (e.g. state-of-the-art manufacturing, material proof, indication accuracy)

Approvals and certificates, see website

#### Ordering information

Model / Contact version / Switch points / Length of the measuring line / Connection design

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