

Flue gas thermometer TRS

FLUE GAS THERMOMETER TRS

Description

Bimetallic flue gas thermometer TRS is made to directly measure temperature of flue gas. Thermometers are designed to be built onto flue of fireplaces and cookers for solid fuels. For thermometers TRS the required depth of stem immersion is its full length, head must be flat out to the neck of assembly attachment. Thermometers' range is 0÷450°C. Accuracy range $\pm 2\%$ out of the scale range. There are three zones marked on the scale:

TAR – in a heating device imperfect burning occurs, in a flue and in a chimney tar substances and vapor is being condensed.

OPTIMAL – in a heating device optimal burning of fuel is happening

OVERHEATING – fuel is being burnt inefficiently, heat loss occurs

Data about a temperature need to be assessed during full working conditions, not when starting the burning process.

Measured value must not over reach maximum range of the scale. Head of a thermometer can be placed into a simple space within the range of temperatures of -30 °C to +110°C. When cleaning a flue, remove a thermometer. Other usage of thermometers needs to be discussed with manufacturer.

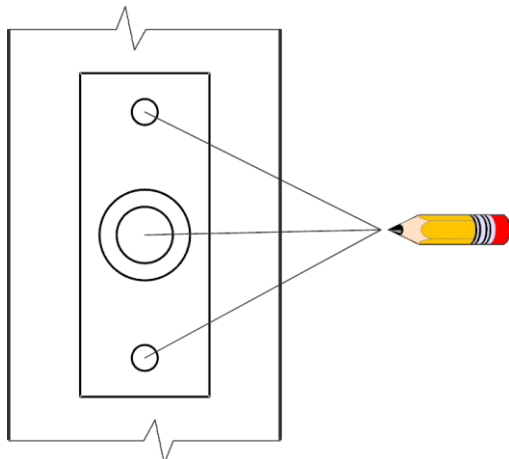
TRS can't be used as a security equipment.

Technical data

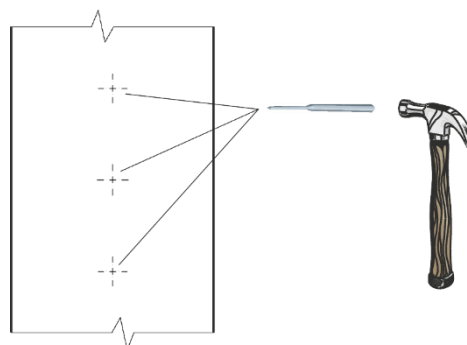
Scale range	0 ÷ 450°C
Measuring range	50 ÷ 400°C
Accuracy range	$\pm 2\%$ out of full range
Stem length	100 mm
Head diameter	60 mm, 100 mm
Color variations	-black/blue/white/red -black/white

Mounting

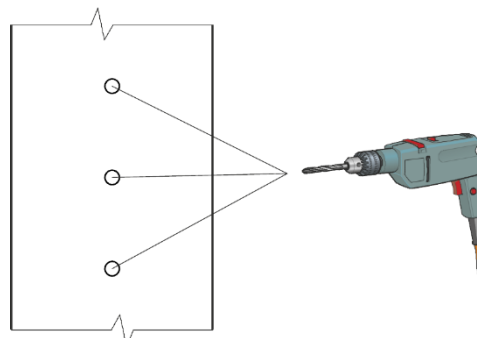
Install the thermometer using the supplied mounting material. Attach the mounting attachment vertically to the flue pipe at a distance of 4 to 7 times the diameter from the beginning of the flue pipe and mark the centre of all three holes on the pipe.



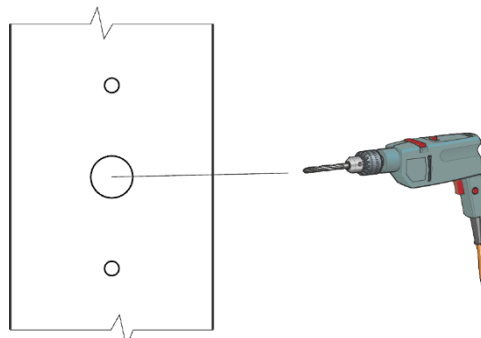
Make indentations in the markings with a dowel.



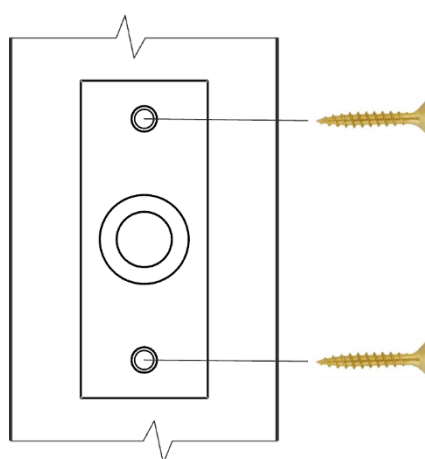
Using a 3 mm drill bit, drill holes in the flue pipe at the indicated locations.



Recalibrate the middle hole with a 9 mm drill bit.

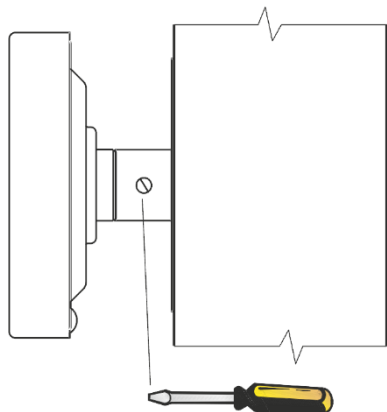


Using the included 3.5x9.5 mm screws to attach the mounting extension to the flue pipe.



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Insert the TRS into the neck of the mounting extension so that the thermometer head must be flush with the neck of the mounting extension. Rotate the thermometer to the desired position and use the M3x5 mm screw to lock the thermometer stem into the neck of the mounting extension.



The maximum permissible pressure on the thermometer stem is 0.3 MPa. It is forbidden to mount or dismount the thermometer by turning the head of the instrument. The stem must not be subjected to shock or bending during installation.

Storage conditions

Storage areas must be free from chemical or other agents that could interfere with the finished products stored. Thermometers must be handled gently, without excessive shocks. Thermometers must be placed in a dry room with a maximum humidity of 70% and a temperature of 0 to 30°C, without sudden thermal changes.

Disposal

Dispose of the TRS as follows: Take the TRS to a scrap yard.

Possible minor faults and their removal

Possible defects are repaired exclusively by the manufacturer.

Warranty

Provided that the TRS is installed and used in accordance with the instructions in the installation and operating manual, the manufacturer warrants the TRS in accordance with the current law, unless otherwise agreed.

The manufacturer will refuse warranty repair if the device has been damaged:

- During transport and storage by the customer or his customers
- During installation and dismantling in the customer's or his customer's appliances
- During incompetent handling and installation in another appliance than stated in the manual
- If the thermometer was in a different environment than stated in the manual

Warranty and post-warranty repairs

Warranty and post-warranty repairs are done exclusively by the manufacturer. Pack the product and send it to address:

APATOR POWOGAZ CZECHIA s.r.o.

Havlíčková 919/24

787 01 Šumperk

Czech Republic

Tel.: +420 583 718 261

E-mail: prodej@metra-su.cz

www: www.metra-su.cz