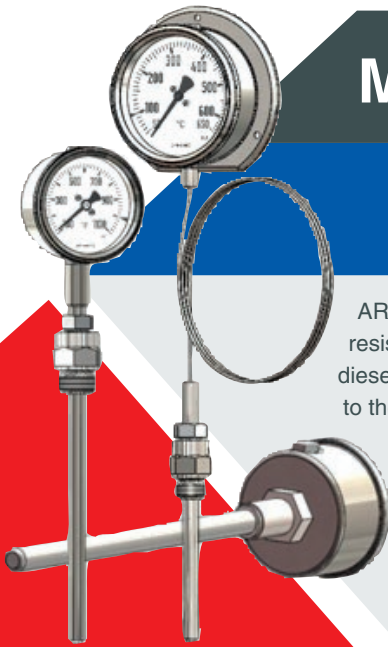


Mechanical Temperature Measurement

Diesel exhaust thermometers TA

ARMANO diesel exhaust thermometers are gas-actuated thermometers with a particularly robust, vibration-resistant construction. They are specially designed for measuring temperatures in exhaust and cooling lines of diesel engines. A highly viscous silicone oil ensures a constant good vibration damping of the indication. Due to the hermetically sealed construction and the materials used, diesel exhaust thermometers are also perfectly suited for deck and offshore areas. Models with capillary line allow for spatial separation between measurement and indication without the need for auxiliary power. Thus, the temperature values of inaccessible measuring points can be transferred to clearly visible or protected places.



Technical Data

Materials

case 304 (1.4301)
temperature sensor 316Ti (1.4571)

Degree of protection IP65

Indication accuracy

class 1 according to EN 13 190

Case diameters/ nominal case sizes

2.5" (NCS 63), 3" (NCS 80),
4.5" (NCS 100)

Standard

temperature ranges

0 – 120 °C / 30 – 250 °F
50 – 650 °C / 110 – 1100 °F /
120 – 1200 °F

Scales

in °C, °F,
dual scales, e.g. °C / °F
and other units

Dials

from 500 °C / 930 °F full scale
made of brushed
aluminum with black scale

Installation lengths

from 6" (152 mm) up to 16" (406 mm)
optional: up to 35" (890 mm)

Stem diameters

12 mm, 13 mm (0.47", 0.512")
optional: 10 mm, 16 mm (0.394", 0.63")

Comprehensive technical specifications with all
standard versions can be found in our data sheets.

thermowells make it complete

The safety and functionality of temperature measuring points is determined to a large extent by thermowells. They protect temperature measuring instruments against mechanical and chemical stress and enable the replacement of thermometers without interrupting the process.



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