# Anti Vibrating Temperature Gauge VT100

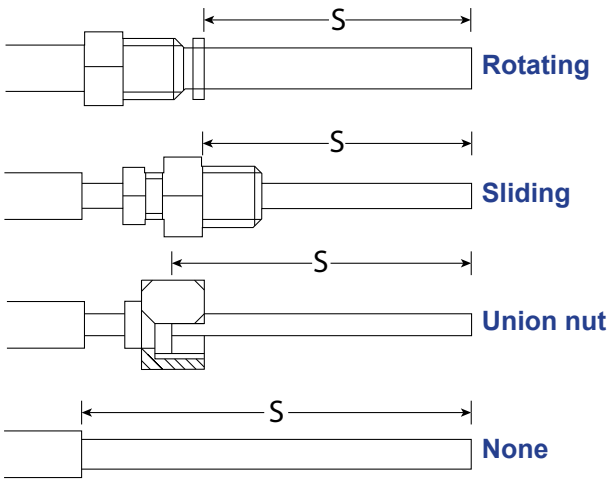
'Quality Matters'




## Introduction

The VT100 temperature gauges are suitable to be installed on engines, machines, or plants in presence of strong vibrations.

## Probe connection types




## Specifications

- Diameters: 100mm
- Case and ring: st. st. 304, bayonet type ring
- Protection degree: IP65
- Transparent: glass, thickness 4mm, gasket in neoprene
- Movement: st. st.
- Dial: aluminium with black numerals on white background
- Pointer: aluminium, black painted, adjustable
- Sensing element: helical wound, Cr-Mo Steel
- Measuring principle: inert gas expansion (non toxic)
- Stem material: carbon Steel
- Capillary material: AISI 316
- Bulb material : AISI 316
- Elastic support: AISI 304, dimensioned to absorb strong vibrations
- Dimension bulb: standard Ø12mm
- Connection dimension: ½", ¾", 1" NPT or BSP
- Mounting: direct, bottom connection
- Ranges: see table at page 2
- Over range: +25% F.S.
- Accuracy: class 1
- Ambient temperature limit: -25/+65°C
- Temperature error: 0,05%/°C in range 0/60°C

## Options and accessories

- Construction acc. To ATEX directive 94/9/EC , gr.II cat. 2GDc
- Accuracy 0,5%
- Special scale
- Glycerine filling for T.amb. -25/+60°C
- Silicon oil filling for T.amb.-40/+60°C
- Filling with fluorinated oil suitable for Oxygen use and for ambient temperature -60/60°C
- Thermowell (See related datasheet)

## Available certification

- 2.1 certificate of conformity
- 3.1 material certificate
- Test certificate for indication accuracy
- ATEX 94/9/EC conformity certificate (for ATEX version)

## How to order

Please specify: model, range, connection probe immerison 'S', connection, options if any
Example: VT100-M, 0/650°C, immersion 100, ½"NPTM sliding fitting



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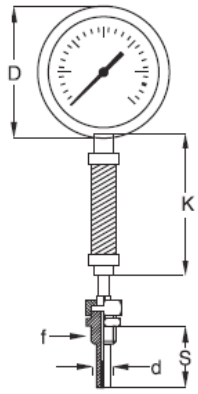
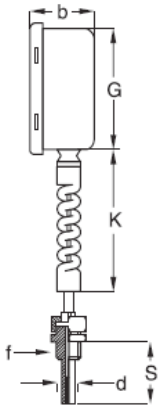
# Anti Vibrating Temperature Gauge
# VT100



VT100-S




VT100-M




| Temperature ranges °C | 0/+650 | -50/+600 |
|---|---|---|

| Type | DS | D | b | G | d | K | f | S |
|---|---|---|---|---|---|---|---|---|
| 100-S | 100 | 115 | 51 | 101 | 12 | 160 | BSP | On request |
| 100-M | 100 | 115 | 51 | 101 | 12 | 130 | BSP | On request |