



Level



Pressure



Flow



Temperature



Liquid
Analysis



Registration



Systems
Components



Services



Solutions

Technical Information

Industrial thermowell Omnigrad TA562



Heavy duty – General purpose

From hexagonal bar stock – Threaded process connections

Also DuPont SR1T/SR2T

Application

TA562 is designed for use with resistance and thermocouple thermometers mainly in heavy duty applications.

Benefits at a glance

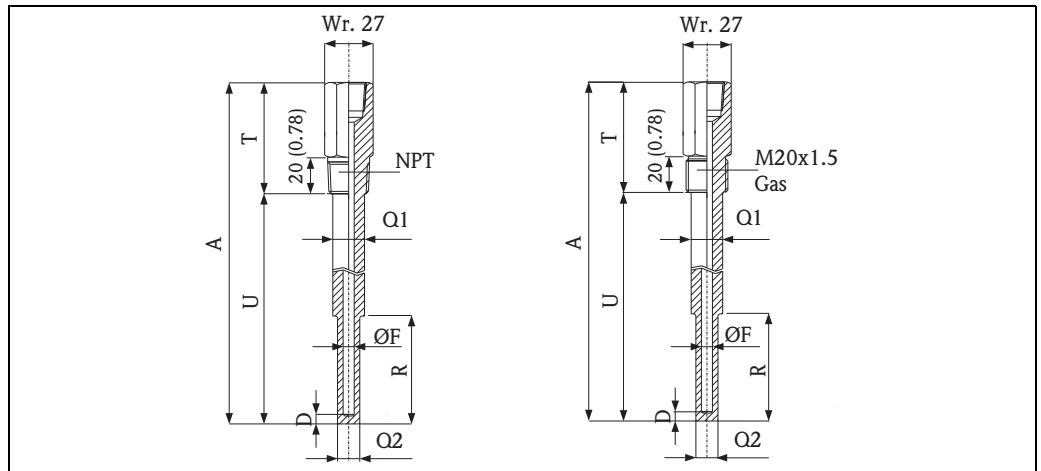
- TA562 is an industry standard thermowell, manufactured from hexagonal bar stock.
- The process connections are threaded:
1/2"NPT, 3/4"NPT, G1/2" or M20x1.5
- The thermowell stem shape can be straight or reduced for fast response time.
- Extension, immersion length and reduced length as well as the bar dimensions can be chosen according to process requirements.
- A wide choice of standard materials is available.
- Special versions can be manufactured according to specification.
- Different grades of surface finishing are available.



Technical data

Hexagonal bar	Wrench:	27 mm (1.06 in)
	Outer diameter (OD):	≤ 15 mm for G½" process connection ≤ 16 mm for ½" NPT process connection ≤ 16 mm for M20x1.5 process connection ≤ 22 mm for ¾" NPT process connection
	Standard bore diameter:	6.5 or 10 mm (0.26 or 0.39 in)
	Standard material:	AISI304, AISI316Ti, AISI316, AISI316L
Connection to thermometer	Threaded:	½" NPT, G½" (½" BSP) or M20x1.5 – female
Process connection	Threaded:	½" NPT, ¾" NPT, G½" or M20x1.5
Tip	Bottom shape:	flat
	Bottom thickness:	6.35 mm (0.25 in)
Surface	Finishing:	0.8 micron – standard 1.6 micron

Mechanical construction



A0019018-EN

Pos.-No.	Description
A	Total length ($A=T+U$)
U	Immersion length
T	Extension length
R	Thermowell tip length
Q1	Outside diameter
Q2	Reduced diameter
ØF	Bore diameter
D	Bottom thickness

Gasket

For cylindrical threads (M20x1.5, G½") a gasket must be used to seal the connection.

Possible gasket dimensions:

- G½": gasket 26x21.3x1.5 copper
- M20x1.5: gasket 24x20.3x1.5 copper

The material of the gasket has to be resistant against the process medium.

The gaskets are not part of the delivery.

Ordering information

Detailed ordering information is available from the following sources:

- In the **Product Configurator** on the Endress+Hauser website:
www.endress.com → Select country → Instruments → Select device → Product page function: Configure this product
- From your Endress+Hauser Sales Center:
www.endress.com/worldwide

Product Configurator - the tool for individual product configuration:

- Up-to-the-minute configuration data
- Depending on the device: Direct input of measuring point-specific information such as measuring range or operating language
- Automatic verification of exclusion criteria
- Automatic creation of the order code and its breakdown in PDF or Excel output format
- Ability to order directly in the Endress+Hauser Online Shop



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