



High Quality
Pressure gauges and Thermometers

VDH Products BV Produktieweg 1 | 9301 ZS Roden | PO Box 205 | 9300 AE Roden | The Netherlands
T +31 (0)50 302 89 00 | F +31 (0)50 302 89 80 | info@vdhproducts.nl | www.vdhproducts.nl

World leaders in process control.





Everything under control with VDH Products

VDH stands for top quality measuring instruments. Our range includes top quality pressure gauges, thermometers, hygrometers, sensors, timers and control units, including accessories. As an authority in temperature, air pressure and relative humidity, we constantly share our know-how with our customers. We are pleased to use our know-how to take work off your hands. You can regard us as being your external engineering team. VDH gives you access to the products and expertise you need to attract and successfully complete projects. With VDH you are in control.

Flexible, durable, and reliable

VDH measuring instruments stand out for their quality. They are the first choice in many industrial sectors all over the world. They are designed and built for optimum performance. Year in, year out. At VDH, everything centres on uncompromising reliability and durability. After all, any deviation in temperature, air pressure and relative humidity can have far-reaching implications for production processes. So why leave it to chance? Reliability and durability: two decisive reasons to opt for VDH.

As well as top quality, VDH offers you flexibility. Virtually anything is possible to complete your project according to your specifications. VDH is also good at developing tailor-made solutions: from pressure gauges and thermometers to complete control units. Our know-how and advanced R&D facilities make us the ideal partner for all of your measuring instruments for controlled environments.

VDH is a professional partner that understands your commercial interests. We will be pleased to help you with the engineering of your project. Besides a wide range of standard products VDH is also the perfect partner for custom made products. Our R&D department has an outstanding knowledge of modern techniques to offer you the most modern solutions. From start to end our people will guide you through the project.

Pressure gauges

VDH offers you a wide range of top quality pressure gauges. All of our pressure gauges have a robust housing made of deep drawn stainless steel. They are designed and manufactured at our own plant: your guarantee of quality.

With over 1 million different pressure gauges, VDH has a suitable model for every conceivable application. They are available in many construction forms and dimensions, with diameters ranging from 63 - 250 mm. You can choose from single and multiple scales, with a range of colour options for both the scale and the pointer. All of our pressure gauges are in conformity with EN 837-1.



Pressure gauges for refrigeration applications

Standard filled with glycerine

Our freon and ammonia pressure gauges are built in a stainless steel housing and are standardly filled with glycerine. The freon pressure gauges have a brass connection and measuring system, the ammonia gauges have a stainless steel connection and measuring system.

The ammonia gauges are provided with an R717 temperature scale. The freon gauges can be provided with a temperature scale for several refrigerants, standard scales are among others: R22, R134A, R402A, R404A, R407C, R507, R290, R744, R422D.

Other refrigerants on request.



R75

Freon pressure gauge, suction-, discharge or oil pressure, diameter 63/80/100/160 mm.

A75

Ammonia pressure gauge, suction, discharge or oil pressure, diameter 63/80/100/160 mm.

DR75

Combined suction/discharge pressure gauge for freon installations, diameter 100 mm. Available with or without back flange.

DA75

Combined suction/discharge pressure gauge for ammonia installations, diameter 100 mm. Available with or without back flange.

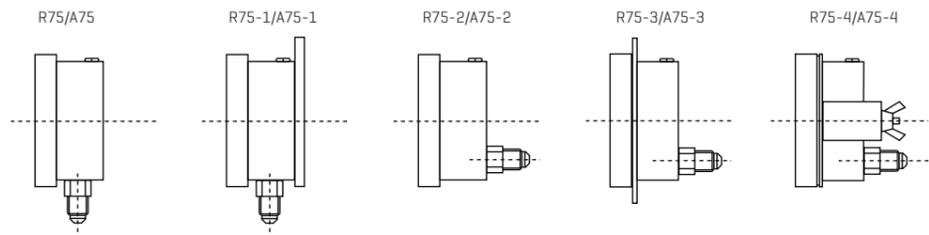
The pressure gauges are supplied in various sizes and models. In addition to the standard connections other connections are available upon request. The gauges are built according to EN 837-1 and are available in the following ranges:

Suction: -1/+12 bar with temperature scale.

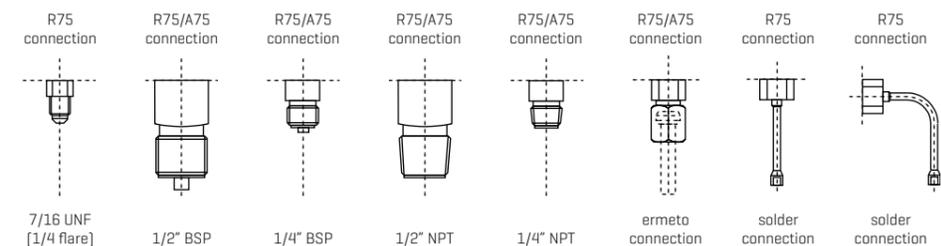
Discharge: -1/+30 bar -1/+30 bar with temperature scale.

Oil: -1/12 bar of -1/+30 bar without temperature scale.

Models



Connections



Pressure gauges for industrial process instruments

The R376 and A376

The **R376** and **A376** gauges are differential pressure gauges whereby the static pressure as well as the differential pressure can be read at a glance. Available in a range from $-1/+12$ bar or $-1/+30$ bar with a differential pressure of standard $0/+6$ bar. Available with a diameter of 100 mm, with or without back flange and various connections.



A376

Differential pressure gauge for ammonia and freon installations. Stainless steel connections and measuring system.



PC160A/ PC160R

Contact pressure gauge for ammonia and freon installations, provided with built-in contacts.

Pressure gauges with bourbon tubes

The pressure gauge with bourdon tube is delivered in a stainless steel case and is standard filled with glycerine. The range is built up in vacuum-, compound- and pressure gauges. Range from -1 to 1000 bar. Within this group are also the low pressure gauges. These pressure gauges are available in different models. We can also manufacture to clients specifications with features of company logo, special threads, etc.



Type 74

Stainless steel case, brass connection and measuring element [63 mm 1/4" BSP, 100/160/250 mm 1/2" BSP].



Type 75

Stainless steel case, stainless connection and measuring element [63 mm 1/4" BSP, 100/160/250 mm 1/2" BSP].

The PC160R and PC160A

For minimum and maximum pressure signalling the **PC160R** and **PC160A** contact pressure gauges can be used. The gauges have a diameter of 160mm and are provided with a back flange as standard. The PC160R and PC160A have electronic built-on contacts, while the PC 160R/DH and PC160A/DH are provided with electronic built-in contacts

Type 74/4 fire service

A specially designed group of pressure gauges for fire engine pumps, containing pressure/vacuum, high and low pressure. Available in $\varnothing 80$ and $\varnothing 100$ mm. Different types are available on request.



Membrane pressure gauges

Many
connection
options

These group industrial membrane pressure gauges are constructed as standard in stainless steel housing and connection. Many connection options are available in addition to models constructed to clients own specification. Options include Teflon coating, glycerine filled, contact devices, company logo.



Type 275

With thread connection,
1/2" BSP



Type 275/1

With fixed flange connection,
boring 50 mm.



Type 275/2

With demountable welded
flange connection,
boring 50 mm.



Type 275/3

With stainless steel flange
connection, NW25;
NW 40 and NW 50.



Type 275/6

With flange connection,
NW 25, suitable for
high temperature



Type 275/7

With thread connection,
1/2" BSP, suitable for
low pressure.



Type 275/9

With thread connection,
1/2" BSP, hydraulic
execution.

Sanitary pressure gauges

Standard and client specific models

The sanitary membrane pressure gauges have been developed for measuring pressure in sanitary applications. The pressure gauges connections are standard made in AISI 316 and are available in different models. The pressure gauges can be filled with glycerine and on request provided with your company logo on the dial. The pressure gauges can also be delivered with contact devices and capillaries at extra costs. In addition to the standards client specific models are also possible.



275/4

With DIN 11851 connection.



275/10

With SMS 1145 connection.



Type 275/11

With varivent connection.



Type 275/5

Homogenisator model.



Type 275/8

With ISO 2852 connection.

Differential pressure gauges

Direct and double pointing

The stainless steel differential pressure gauges are available in various types. Direct pointing of the differential pressure (375) or with a double point indicator both the + and - pressure (type 375/3). For low pressure applications differential pressure gauges are available (375/4 and 375/5).



Type 375

Direct pointing.



Type 375/3

Double pointing.



Type 375/4 & 375/5

Direct pointing low pressure.

Thermometers

VDH offers you a wide range of top quality industrial thermometers. All of our thermometers are made with a robust deep drawn stainless steel housing. They are designed and manufactured at our own plant: your guarantee of quality.

VDH thermometers are available in many construction forms and sizes. We offer you thermometers with a fixed sensor, capillary liquid and nitrogen-filled thermometers, digital thermometers and square or rectangular profile thermometers. You can also choose from numerous colour options, both for the temperature scale and the pointer.

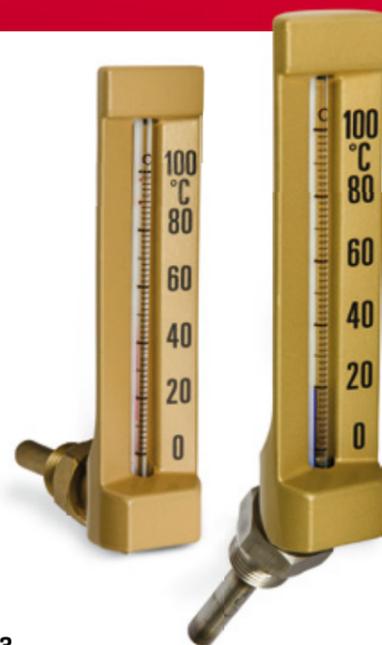
**The TK085:
good quality
for a competitive
price**

The TK085 is a stainless steel, good quality thermometer at a very competitive price. The thermometer is provided with a capillary and brass bulb. The direct-drive measuring system guarantees a long and reliable life time. The range of the thermometers is from $-50/+50$ °C, making the thermometer suitable for many applications. Other ranges are available upon request. The thermometer is supplied in various models with diameters 63/100/160 and 250 mm. As standard a 1500 mm capillary is provided, other lengths are available upon request. As with the pressure gauges your name or company logo can be printed on the dial of the thermometer.



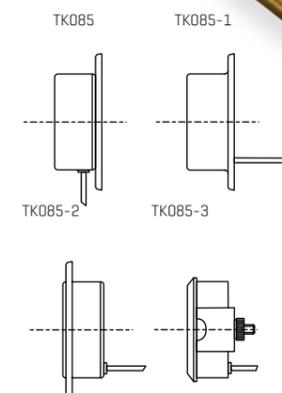
**The M83:
solid and clear
readable**

The M83 machine thermometers have wide industry applications. The housing is solid and has a clear readable scale. Available in a straight and rectangular model with a brass, steel or stainless steel sensor and various temperature ranges.



M83

Executions
type TK085



**B84:
simple
construction,
low costs**

Due to the simple construction the B84 bimetal thermometers are low-cost units. The B84 thermometers are supplied in various models, diameters and ranges.

Thermometers with rigid stem

These industrial stainless steel thermometers are supplied with different connections and in different models. The different connections are shown below in executions 84 & 85 series. The rigid stems are made of stainless steel and are produced to client specification. This means that you can state the length, diameter and connection of the rigid stem. There are two types of thermometers.



Type 84

Low-cost thermometer, based on dynamic expansion in a closed system with liquid filling.



Type 85

Thermometer based on dynamic expansion in a closed system with nitrogen filling.

Thermometers with capillary

These industrial stainless steel thermometers are supplied with different connections and in different models. The different connections are shown below in executions 184 & 185 series. The capillary is made of stainless steel and is produced to client specification. This means that you can state the length, diameter and connection of the stem and the length of the capillary.

Type 184

Low-cost thermometer, based on dynamic expansion in a closed system with liquid filling with synthetic capillary.

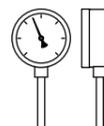
Type 185

Thermometer based on dynamic expansion in a closed system with nitrogen filling with stainless steel capillary.

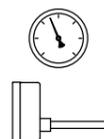


Executions 84 & 85 series

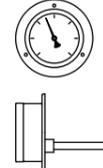
84 & 85



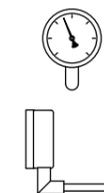
84/1 & 85/1



84/2 & 85/2



84/3 & 85/3



84/4 & 85/4



Executions 184 & 185 series

184 & 185



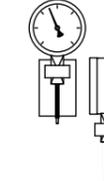
184/1 & 185/1



184/2 & 185/2



184/3 & 185/3



184/4 & 185/4

