



We'll show you!

Schmieder®



DIN EN ISO 9001





Schmierer GmbH – Headquarters since 1932

Reliability, short delivery times for repairs and manufacturing of new equipment.
Optimal conditions for a good cooperation.

You can count on receiving high-quality products. For more than 90 years our company has been manufacturing, repairing and distributing pressure and temperature measuring instruments for different industries all over the world.

You can find meaningful information about us and our products in this brochure.
We hope that we can spark your interest with this information.

Make an appointment with us or give us a call and we will show you further advantages for your production, plants and applications.

A few minutes that will be worth your while!

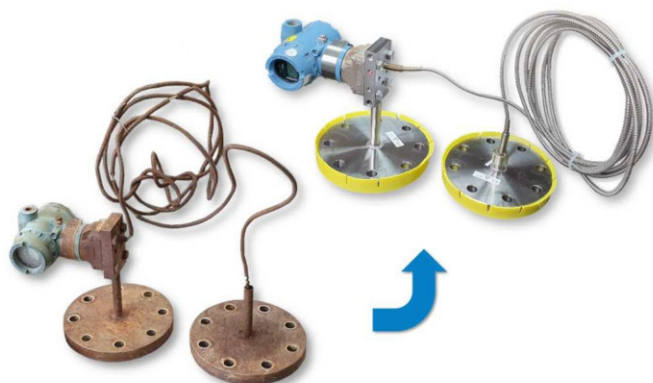
Analogue measuring instruments – when digital is not enough!

- In case of strong temperature differences
- When dust and dirt complicate operation
- When you need to measure aggressive substances
- If the measuring instruments are to be used for a long time
- In EX protected areas

The right device, ✓fast, ✓flexible and, ✓entirely produced according to your wishes.

Feel free to send us an e-mail to orders@schmierer.de or call us at +49 (0) 6152 98015





Differential pressure transmitter – Before and after repair



Schmierer repair service

Our repair service restores pressure gauges, diaphragm seals/separating diaphragms and transmitters of all brands with qualified personnel (e.g. Emerson, ABB and E+H).

Upon request, we offer an express service with processing within 48 hours.

Just send us your defective devices and receive a free repair offer. We are also happy to pick up your devices in person on request.

Your benefits at a glance



Cost-reducing



Time saving



Eco-friendly

Unexpected optimization opportunities

By repairing your devices, you can save up to 70% compared to buying them new. We guarantee particularly short delivery times for this service.

Increase your profit by reducing storage costs, labor costs and maintain the unrestricted availability of your plant.

Environmentally aware into the future

Your decision to repair is an active contribution to environmental protection.

Devices and components that can no longer be repaired are recycled free of charge. We guarantee professional disposal.

This saves resources and avoids environmental pollution.



Diaphragm pressure gauges – Previously heavily worn, now completely renewed and ready for operation



BOURDON-TUBE PRESSURE GAUGES

Used for liquid or gaseous media. Particularly suited for high pressure. Simple design and high measuring accuracy.

Bourdon-tube pressure gauges are made of brass or stainless steel; case sizes from 40 mm to 250 mm are available in stainless steel.

Scale ranges: 0 - 0.6 bar to 0 - 1600 bar

Case sizes: 40 mm Ø to 1000 mm Ø

Standard connection threads: G 1/8", G 1/4" and G 1/2"

Higher pressures or other connection threads on request.

DIAPHRAGM PRESSURE GAUGES

Used for liquid or gaseous media. Particularly suited for viscous, crystallizing and solids-carrying media. Extremely durable due to robust design. High overload safety.

Diaphragm pressure gauges are made entirely of stainless steel. Diaphragms and connections can be protected against the medium with special materials or coatings/linings. Our devices are also available as absolute pressure gauges entirely made of stainless steel.

Scale ranges: 0 - 6 bar to 0 - 40 bar

0 - 60 mbar to 0 - 400 mbar

Case sizes: 100 mm Ø to 250 mm Ø

Standard connection thread: G 1/2"

Other connection threads on request.



CAPSULE PRESSURE GAUGES

Used only for dry, gaseous media. Particularly suited for measuring small overpressures or underpressures.

Capsule pressure gauges are made of brass or stainless steel in contact with medium; all cases are made of stainless steel by default.

Scale ranges: 0 - 4 mbar to 0 - 400 mbar

Case sizes: 63 mm Ø to 250 mm Ø

Standard connection threads: G 1/4" and G 1/2"

Other connection threads on request.



TEST PRESSURE GAUGES

Used for liquid or gaseous media. Bourdon tube pressure gauges with particularly high measuring accuracy.

Test pressure gauges are made of brass or stainless steel. Accuracy classes produced are 0.6% and 0.25%.

Scale ranges: 0 - 0.6 bar to 0 - 1000 bar

Case sizes: 100 mm Ø to 250 mm Ø

Standard connection thread: G 1/2"

Other connection threads and higher pressures on request.





DIFFERENTIAL PRESSURE GAUGES

Used for liquid or gaseous media. Can be used with a large variety of diaphragm seals, foils or special coatings. Highly flexible and also very durable.

Differential pressure gauges are entirely made of stainless steel.

Scale ranges: 0 - 0.6 bar to 0 - 25 bar
0 - 40 mbar to 0 - 400 mbar

Case sizes: 100 mm Ø to 250 mm Ø
Standard connection thread: G 1/2"

Other connection threads on request.

CONTACT DEVICES AND TRANSDUCERS

Contact devices are suited for installation in pressure and temperatures gauges from case size 63 mm Ø and above.

Contacts can be installed in pressure and temperature gauges as slow-action, magnetic snap-action and electrical contacts.

Transducers are available as built-in and surface-mounted versions.



GAS-FILLED DIAL THERMOMETERS

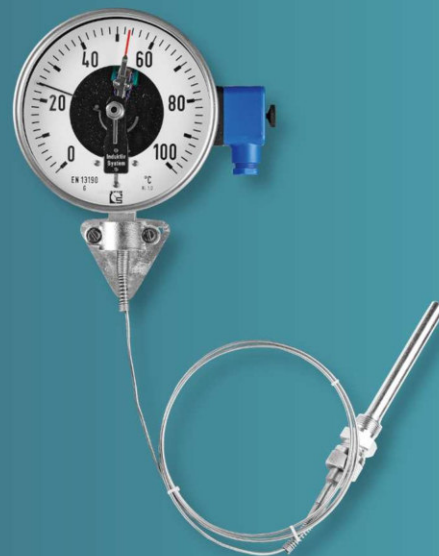
Quick reaction time and overall larger measuring range. Can be used with capillary line.

Gas-filled dial thermometers are made of stainless steel. They are available with fixed stem or with capillary line.

The stem connection can be provided in different variants upon request. Thermowells are also available in many variants.

Scale ranges: -80°C to $+600^{\circ}\text{C}$

Case sizes: 63 mm $\varnothing$ to 250 mm $\varnothing$



BIMETAL DIAL THERMOMETERS

Simple design, favorable price. No influence from ambient temperatures.

Bimetal dial thermometers are made of stainless steel.

The stem connection can be provided in different variants upon request.

Scale ranges: -80°C to $+500^{\circ}\text{C}$

Case sizes: 63 mm $\varnothing$ to 160 mm $\varnothing$

DIAPHRAGM SEALS

Diaphragm seals can be used with pressure gauges, pressure switches and all types of electrical and pneumatic transducers.

Diaphragm seals are made from stainless steel by default. All wetted parts can be made from special materials such as tantalum, titanium, Hastelloy C, duplex stainless steel, nickel, monel, silver, gold or with coatings/linings of e.g. PTFE, PP or PVDF upon request.

Diaphragm seals of various designs/standards and connection types can be attached to the measuring device with or without capillary line. Various filling fluids for high-temperature applications and food or pharmaceutical use are available.



ACCESSORIES

Accessories for pressure and temperature gauges are also included in our portfolio.

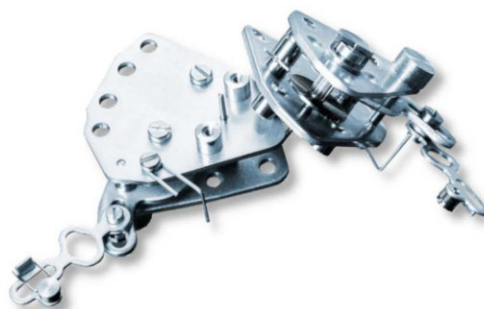
Siphons, (shut-off) valves, thermowells and flanges of all standards can be produced and supplied from a wide variety of materials.



MANODAMP® – Movement with axle damping

Many years of testing and experience have led to our **MANODAMP®** movement with axle damping. It has been used for decades and proven itself very well with our customers.

The modern version with double damping of pointer and segment shafts/axles and the unique construction of the connection to the measuring element with compensating springs is today's standard.



This solution was designed considering the problems of liquid-filled devices:

Pressure surges and vibrations strongly affect the readability and service life of pressure gauges. Previously, this could only be solved by filling the cases of pressure gauges with glycerine/silicone oil. The increased weight and potential leakages are however significant disadvantages.

Liquid-filled pressure gauges are therefore not an optimal approach.

The **MANODAMP®** movement from Schmierer, on the other hand, enables the use of dry pressure gauges under operating conditions that can otherwise only be handled with liquid filled devices.

Major advantages of **MANODAMP®** versus the "classic" oil filled case:

- ✓ Vibration-free display without leaking of filling fluids
- ✓ Price advantage versus oil-filling
- ✓ Superior damping performance
- ✓ Easier maintenance and replacement
- ✓ Longer service life, even in rough environments
- ✓ Less weight than filled pressure gauges
- ✓ Modern up-to-date construction for the needs of chemical, petrochemical and pharmaceutical industries
- ✓ Also suitable for FDA applications
- ✓ Good experience in long-term use by customers



MANODAMP® – Your first choice
in damping of pressure gauges!

Reference list as of 2025

3M Dyneon GmbH	Hochwald Foods GmbH
Abu Dhabi National Oil Company (ADNOC)	Honeywell GmbH
AkzoNobel Industrial Chemicals GmbH	Ineos Phenol GmbH
Allnex Germany GmbH	Infraserv GmbH
BASF SE	Kuraray Europa GmbH
Bayernoil Raffineriegesellschaft mbH	LEUNA-Harze GmbH
Beneo-Palatinit GmbH	Lufthansa Technik AG
Bilfinger SE	MAN Energy Solutions SE
Biotest AG	Meggle AG
BMW AG	Merck KGaA
Boehringer Ingelheim Pharma GmbH	Minascent Leuna Production GmbH
Borealis Polymere GmbH	MiRO Mineraloelraffinerie GmbH & Co. KG
BP Gelsenkirchen GmbH / Ruhr Oel GmbH	Mitsubishi Polyester Film GmbH
Carlsberg MY	NETZSCH Pumpen & Systeme GmbH
Celanese GmbH	Nobian GmbH
Chemische Fabrik Budenheim KG	Olenex Edible Oils GmbH
Clariant GmbH	OMV GmbH
Communal plants (sewage treatment, cogeneration & biogas plants)	Paper Mills
Condor Technik GmbH	Pascoe Vital GmbH
Corden BioChem	PETRONAS MY
Daikin Refrigerants Europa GmbH	Procter & Gamble AG
DSM Nutritional Products GmbH	Sanofi Aventis Deutschland GmbH
Dupont de Nemours S.a.r.l.	Sappi GmbH Papierfabrik Ehingen
Dyckerhoff GmbH	Saudi Aramco Base Oil Company
E.ON SE	SE Tylose GmbH & Co. KG
Edelweiss GmbH & Co. KG	Shell Deutschland GmbH
Entega AG	STRABAG AG
Erdinger Weißbräu	Südzucker AG
Eriks NL	Synthomer Deutschland GmbH
Evonik Industries AG	Teva Ratiopharm GmbH
FIWA Shanghai	Total Raffinerie GmbH
Fraunhofer Institut	Trevira GmbH
Fuchs Petrolub SE	URACA GmbH & Co. KG
GEA Wiegand GmbH	Vynova Wilhelmshaven GmbH
Grace GmbH	Wacker Chemie AG
Gunvor Raffinerie GmbH	Westlake Vinnolit
H&R Ölwerke Schindler GmbH	WeylChem GmbH
Heineken MY	Yokogawa Deutschland GmbH
	Zott SE & Co. KG



1932 – The founding year

In 1932, Schmierer was founded by Anna and Eugen Schmierer as a repair shop for pressure gauges in Frankfurt am Main. At that time, the company employed two workers until the destruction in World War II.

Reconstruction began in 1946 in an industrial area in Frankfurt. With four employees, including the future head of the company Walter Schmierer, completely new gauges were increasingly manufactured.

1960 – Takeover by Walter Schmierer

After the death of the company founder Eugen Schmierer in 1960, Walter Schmierer took over the managing director position.

In 1964, a new beginning is initiated.

1965 to 1984 – Business growth and expanding customer base

Thanks to forward-thinking decisions and cooperation with several local companies, steady growth was achieved.

1984 – The company is renamed Schmierer GmbH

High-quality pressure and temperature gauges, as well as accessories, are produced using the latest manufacturing and testing equipment.

At that time, 20 employees work for Schmierer GmbH. Walter Schmierer personally serves the customers in the Rhine-Main area. The repair service is further expanded.

In addition, production has been expanded in 1985 and staff moved into a new office building.





1996 – International expansion and ISO 9001 certification

The customer base is expanded worldwide, focusing on the Middle and Far East.

2002 – Ralf Schmierer becomes managing director

Schmierer pressure gauges for the chemical, petrochemical and pharmaceutical industry continue to be in high demand.

Framework contracts are made with large multinational industrial companies. Schmierer now supplies all branches of industry worldwide.

2013 – The 4th generation joins the company

Julian Schmierer begins his training as a precision mechanic and successfully graduates in the summer of 2015.

From 2015, Julian Schmierer also actively joins the management.



2015 – Founding of Schmierer SEA (South East Asia)

Years of successful cooperation with the trading partner in Malaysia lead to the founding of Schmierer SEA SDN. BHD.

The entire Pacific area is serviced by our joint venture company based in Kuala Lumpur.

2017 – Additional support by Karina-Wagner Schmierer

Karina Wagner-Schmierer joins the company as the latest family member.

Since then, she has dedicated herself with great commitment towards the personal support of existing customers and the acquisition of new customers.

2023 – Expansion of sales and repair service

The sales team is expanded.

Also, the focus is increasingly on the repair of transmitters and diaphragm seal systems (manufacturer-independent).

Ansprechpartner der Schmierer GmbH



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