PRODUCT OVERVIEW



SENSOR TECHNOLOGIES

The requirements on pressure and level measuring devices are various and, in addition to intelligent design solutions, require most of all appropriate sensor technology.





type DSP 210 without media isolation $(\emptyset = 18 \text{ mm})$

pressure ranges: 0 ... 20 mbar to 0 ... 7 bar application: gases, compressed air,

liquids and non-aggressive media

type DSP 410 / DSP 411 (\emptyset = 18 mm) with stainless steel diaphragm

pressure ranges: 0 ... 100 mbar to 0 ... 40 bar

application: gaseous and liquid media compatible

with stainless steel

type DSP 413 / DSP 415 (\emptyset = 15 mm) with stainless steel diaphragm

pressure ranges: 0 ... 400 mbar to 0 ... 600 bar

application: for submersible probes $\emptyset = 17 \text{ mm}$

as well as for pressure transmitters with G 1/2" flush and hydraulic

applications

type microfused

pressure ranges: 0 ... 3.5 bar to 0 ... 700 bar

application: hydraulic and oxygen applications

type thinfilm-sensor

pressure ranges: 0 ... 60 bar to 0 ... 2200 bar application: hydraulic applications

type strain gauge

pressure ranges: 0 ... 1000 bar to 0 ... 6000 bar application:

hydraulic applications,
high dynamic pressure

BD|SENSORS is one of the few companies worldwide using four elements of modern pressure measurement, offering sensors produced by BD|SENSORS itself or by partner companies with BD|SENSORS know-how.





thickfilm ceramic sensor

type DSK 511 with flush diaphragm $[\emptyset = 18 \text{ mm}]$

pressure ranges: 0 ... 0.5 bar to 0 ... 600 bar

application: for aggressive media and oxygen;

with flush diaphragm preferred for highly viscuous or contaminated media

type DSK 516 with flush diaphragm ($\emptyset = 15 \text{ mm}$)

pressure ranges: 0 ... 0.5 bar to 0 ... 50 bar

application: for submersible probes Ø 17 mm

and pressure transmitter with

G 1/2" flush

type DSK 611 in monolithic design $[\emptyset = 18 \text{ mm}]$

pressure ranges: 0 ... 2 bar to 0 ... 400 bar

application: OEM products with excellent price /

performance ratio

type DSK 701 (Ø = 32.4 mm)

pressure ranges: 0 ... 60 mbar to 0 ... 20 bar

type DSK 720 M $(\emptyset = 18 \text{ mm})$

pressure ranges: 0 ... 100 mbar to 0 ... 50 bar

application: preferred for hydrostatic level

measurement as screw-in transmitter or submersible probes, a.o. for aggressive media (acids, lyes, etc.)



PRESSURE

AT THE

HIGHEST LEVEL

"Successful medium-sized companies are not successful because they are active in many areas, but rather because they concentrate on one area and do it better than anyone else"

This is our philosophy. That's why BDSENSORS has concentrated on electronic pressure measurement technology from the beginning.

With our unremitting product and and quality strategy we have been successful in becoming a major player on the world market for electronic pressure sensing devices within a few years.

With 260 employees at 4 locations in Germany, the Czech Republic, Russia and China BD|SENSORS has solutions from 0.1 mbar to 6000 bar:

\rightarrow	pressure	sensors,	pressure	transducers
	pressure	transmit	ters	

\rightarrow	el	lectronic	pressure	switches

- → pressure measuring devices with display and switching outputs
- → hydrostatic level probes

Two pressure transmitters and a submersible probe, based on a stainless steel silicon sensor were the beginning.

Today the range extends to more than 70 standard products, from economical OEM devices to high-end products with HART® communication or field bus interface.

In addition we have developed hundreds of customerspecific applications, underlining the competence and flexibility of BDISENSORS. The excellent price/performance ratio of our products is proof of the fact that we are able to meet the toughest demand: Being a problem-solver for our customers

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NEW PRODUCTS APPLICATIONS	41 42-43

For large production batches as well as for small production numbers, no matter for what medium or external factors, with almost any mechanical or electrical connection - we solve your problem

flexibly, quickly and cost-efficiently.



PRESSURE

PRESSURE TRANSMITTER 7 - 15

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DIGITAL PRESSURE GAUGE 18 - 19

APPLICATIONS

→ hydraulics

→ pneumatics

→ process monitoring and process engineering

ightarrow control systems

→ tool construction / presses / injection moulding machines

ightarrow power supply and distribution

For vacuum, overpressure and absolute pressure measurement Pressure ranges: 0 ... 10 mbar to 0 ... 6000 bar

Based on different sensor technologies, combined with housing materials as stainless steel and various plastics, the industrial pressure transmitter are suitable for almost all industrial gases and fluids.

Our industrial pressure transmitter may be adapted to nearly any application due to a variety of electrical and mechanical connections.



PRECISION

stainless steel sensor process, oil and gas industry

nominal pressure 0 ... 400 mbar to 0 ... 600 bar

(turn-down 1:10 adjustable)

accuracy 0.1 % FS0

(according to IEC 60770)

process connection inch and NPT threads, DRD, flange

housing two chamber aluminium die cast case

stainless steel field housing

option display and operating module

cooling element up to 300 °C,

flameproof enclosure

application



process, oil and gas industry

XMP ci

XMP i

nominal pressure 0 ... 60 mbar to 0 ... 20 bar

(turn-down 1:10 adjustable)

accuracy 0.2 % FS0

(according to IEC 60770)

ceramic sensor

process connection inch and NPT-threads, DRD, flange

housing two chamber aluminium die cast case

stainless steel field housing

option display and operating module

flameproof enclosure

characteristics diaphragm 99.9 % Al₂O₃

application





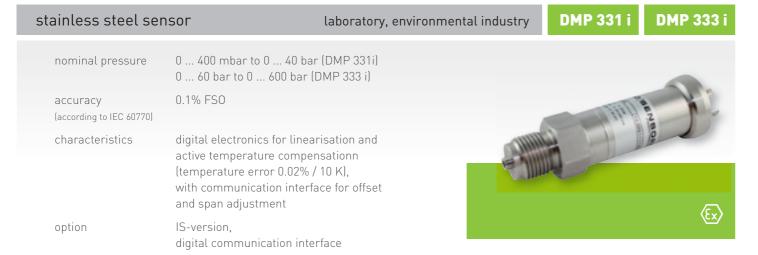


PRECISION

application

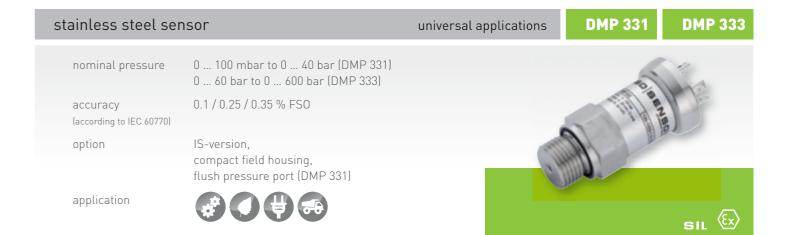
x|act i stainless steel sensor hygienic applications 0 ... 400 mbar to 0 ... 40 bar nominal pressure (turn-down 1:10 adjustable) 0,1 % FSO accuracy (according to IEC 60770) G1" cone, clamp, dairy pipe, process connection Varivent®, DRD, flange characteristics hygienic version, display and operating module cooling element up to 300 °C $\langle \epsilon_{x} \rangle$ **HART®** hygienic design IS-version option application

x act ci ceramic sensor hygienic applications nominal pressure 0 ... 60 mbar to 0 ... 20 bar (turn-down 1:10 adjustable) 0.2 % FSO accuracy (accoding to IEC 60770) process connection G1 ½" flush, clamp, dairy pipe, Varivent®, flange, DRD characteristics hygienic version, display and operating module, diaphragm 99.9 % Al₂O₃ hygienic design **HART®** IS-version option application



INDUSTRY

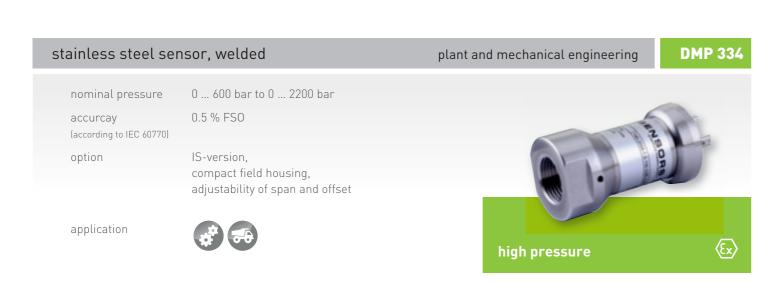
stainless steel se	ensor without media isolation	HVAC	DMP 343
nominal pressure accuracy (according to IEC 60770)	0 10 mbar to 0 1000 mbar 0.35% FSO	011	
option	IS-version, compact field housing		in in
application		extreme low pressure	SIL (EX)





INDUSTRY

DMP 335 medical technology, hydraulics stainless steel sensor, welded 0 ... 6 bar to 0 ... 600 bar nominal pressure 0.5 % FSO accuracy (according to IEC 60770) suitable for oxygen application, characteristics resistant against pressure peaks option application $\langle \epsilon_x \rangle$ high overpressure capability





INDUSTRY

ceramic sensor		universal applications	DMK 331
nominal pressure accuracy (according to IEC 60770)	0 400 mbar to 0 600 bar 0.5 % FSO	TIME &	WE.
option	IS-version, compact field housing, pressure port PVDF, oxygen application, pressure port G 1/2" flush		
application		aggressive media	sır (Ex)





INDUSTRY

marine / shipbuilding / offshore **DMP 457** stainless steel sensor 0 ... 100 mbar to 0 ... 600 bar nominal pressure 0.25 / 0.35 % FSO accuracy (according to IEC 60770) IS-version, option compact field housing, flush pressure port G 1/2", submersible version low and high pressure measurement of gases, recommended for fluids and media which are compatible with stainless steel and silicon oil application

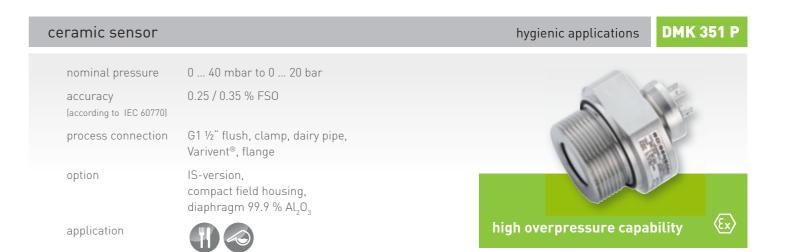
ceramic sensor		marine / shipbuilding / offshore	DMK 456
nominal pressure	0 40 mbar to 0 20 bar		
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO	SO SENEGRE EST	
special feature	IS-version (temperature class T6), stainless steel field housing		
option	diaphragm 99.9 % Al ₂ O ₃ thread or flange version		
application		robust housing) <u>tå</u> & Ex



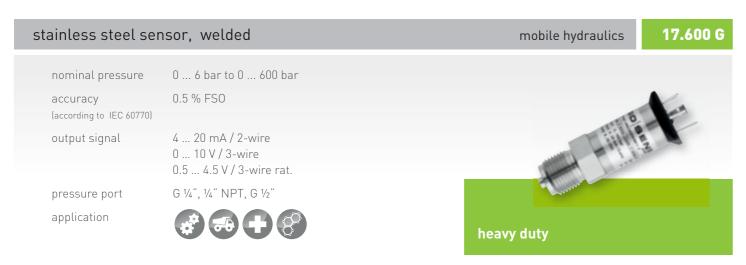
INDUSTRY

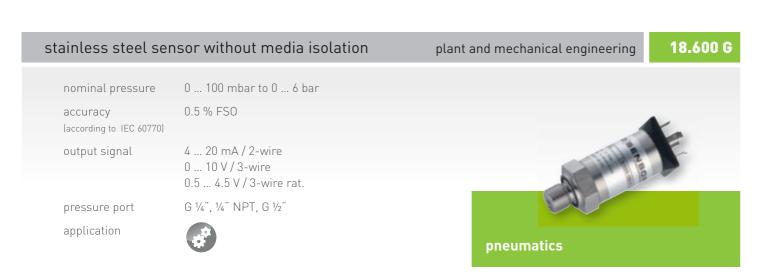
stainless steel		hygienic applicatio	ons
nominal pressure accuracy [according to IEC 60770] process connection	0 100 mbar to 0 40 bar 0.25 / 0.35 % FSO G½", G¾", G1" flush, dairy pipe, clamp		
option	IS-version, compact field housing, FDA conforming filling fluid, cooling element up to 300 °C	flush	sır 🐼
application			





OEM



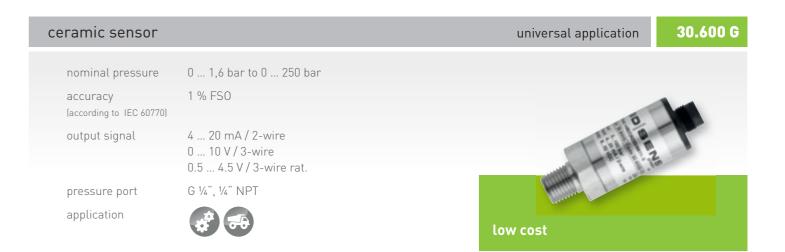




OEM

stainless steel se	nsor	general industrial application	18.605 G
nominal pressure accuracy (according to IEC 60770)	0 1 mH $_2$ 0 to 0 10 mH $_2$ 0 0.5 % FS0	D B	
output signal	4 20 mA / 2-wire 0 10 V / 2-wire 0.5 4.5 V / 3-wire rat.		d
pressure port	G ¼" with PVC cable		
application		submersible	





DIFFERENTIAL PRESSURE TRANSMITTER

For differential pressure measurement Pressure ranges: 0 ... 1 mbar to 0 ... 70 bar

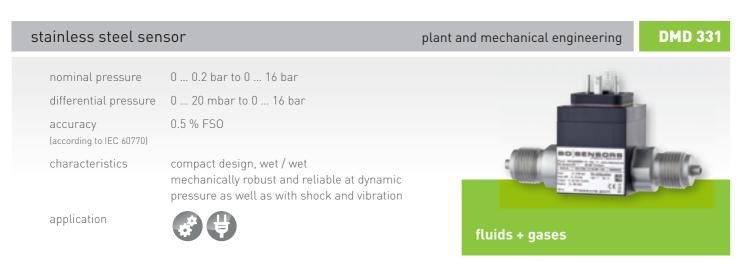
Thanks to different sensor technologies combined with compact aluminium die-cast cases or plastic housings, our differential pressure transmitters may be used for numerous fluids and gases, e. g. for monitoring ventilation ducts, filters and fans in HVAC areas as well as for level measurement in closed pressurized tanks.



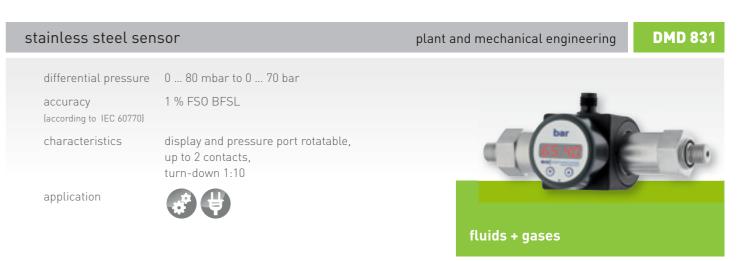
PRECISION

XMD stainless steel sensor process, oil and gas industry nominal pressure 0 ... 75 mbar to 0 ... 2 bar accuracy 0.1 % FSO (according to IEC 60770) characteristics IS-version, turn-down 1:10. aluminium die-cast case process connection internal thread 1/4" - 18 NPT option display and operating module, flameproof enclosure, HART® (Ex) fluids + gases chemical seals assembly application

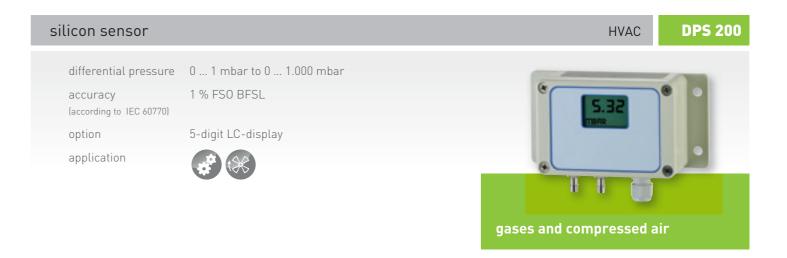
INDUSTRY



INDUSTRY







DIGITAL PRESSURE GAUGE

With a great variety of mechanical and electrical connections, BD|SENSORS offers a new generation of digital pressure gauges for different applications.

Due to the two sensor technologies in use (stainless steel sensor or ceramic sensor), our digital pressure gauges are suitable for nearly all fluids, pasty media and gases.

The display module is rotatable, so that a clear readability is guaranteed even in unusual installation positions.



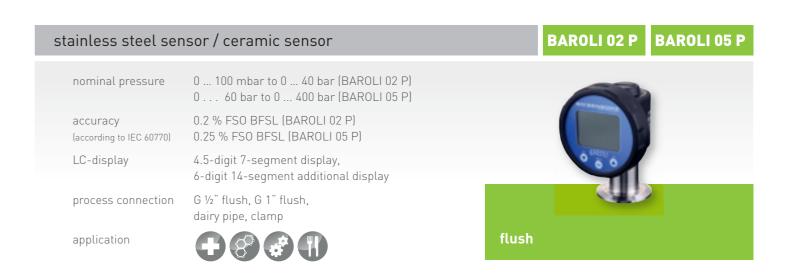
PRECISION

stainless steel ser	nsor	test and calibration equipment	DM 01
	.501	test and eather ation equipment	Dirio.
nominal pressure	0 100 mbar to 0 400 bar		
accuracy (according to IEC 60770)	0.05 % FS0 BFSL	80 84 80 88	
characteristics	stainless steel housing Ø = 100 mm, data logger function, modular sensor concept		
LC- display	graphic LC-display 128 x 64 pixel with background illumination		
pressure port	inch, NPT threads	modular concept	⟨£x⟩
option	IS-version, digital output, RS 485 / USB-interface		
application			

INDUSTRY

stainless steel ser	nsor / ceramic sensor		BAROLI 02	BAROLI 05
nominal pressure	0 100 mbar to 0 600 bar (BAROLI 02) 0 400 mbar to 0 600 bar (BAROLI 05)			
accuracy (according to IEC 60770)	0.125 % FS0 BFSL (BAROLI 02) 0.25 % FS0 BFSL (BAROLI 05)		O Distar	
LC- display	4.5-digit 7-segment display, 6-digit 14-segment additional display			
process connection	inch, NPT threads		6.5	
application		housing	g and display rot	atable

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OEM





LEVEL

HYDROSTATIC LEVEL PROBES **SCREW-IN TRANSMITTERS**

21 - 26

27

APPLICATIONS

- → ground water monitoring
- \rightarrow depth and level measurement in wells
- \rightarrow drinking water systems
- → level monitoring in open and closed tanks
- \rightarrow storm water systemes
- → pump and booster stations
- → water treatment plants
- → tank farms / fuel storage
- \rightarrow recycling of process water

The hydrostatic level probes made by BD|SENSORS are suitable for measuring the level of liquid and pasty media of all kind.

The separable submersible probes LMP 308 / LMP 808 / LMK 358 / LMK 858 are a speciality; the cable part can be separated from the sensor head effortlessly and without tools. This is an enormous advantage for many of our customers during assembly as well as when performing service and maintenance.

Special versions, such as integrated overvoltage protection, temperature sensor or data logger are just as much a part of our standard program as the communication version with RS-485 interface or HART®-protocol.



PRECISION

stainless steel sensor

energy industry, environmental industry

LMP 308 i

21

0 ... 4 mH₂0 to 0 ... 250 mH₂0 stainless steel 1.4404 (316 L) housing material

0.1% FS0

accuracy

(according to IEC 60770)

special feature cable part and sensor head separable

option IS-version,

cable protection via corrugated pipe

recommended for





ø 35 mm

separable stainless steel probe



ceramic sensor

environmental industry

LMK 358 H

level

0 ... 60 cmH₂0 to 0 ... 100 mH₂0

housing material stainless steel 1.4404 (316 L)

0.1 / 0.2 % FSO accuracy

(accuracy to IEC 60770)

special feature HART® communication

IS-version. option

cable protection via corrugated pipe,

diaphragm 99.9 % Al₂O₃

recommended for



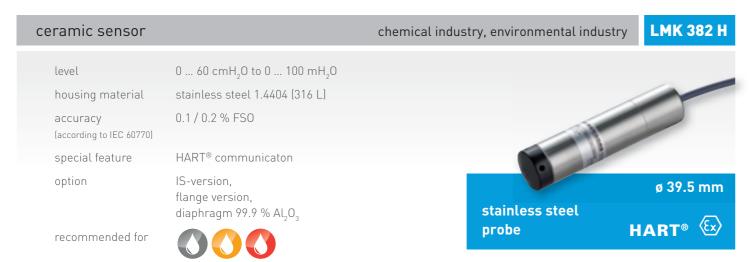






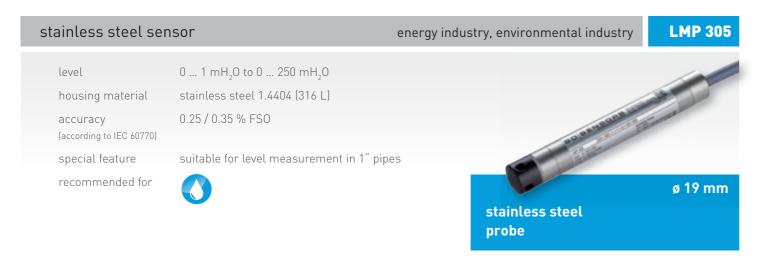
HYDROSTATIC LEVEL PROBE

PRECISION

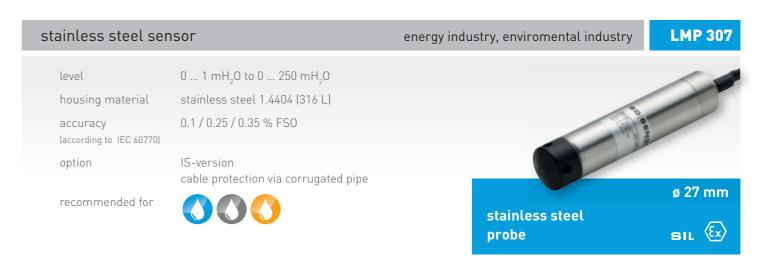


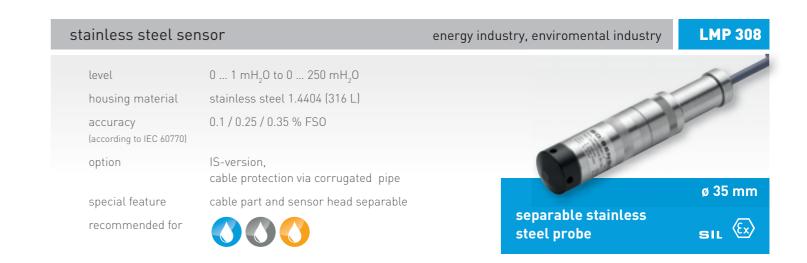


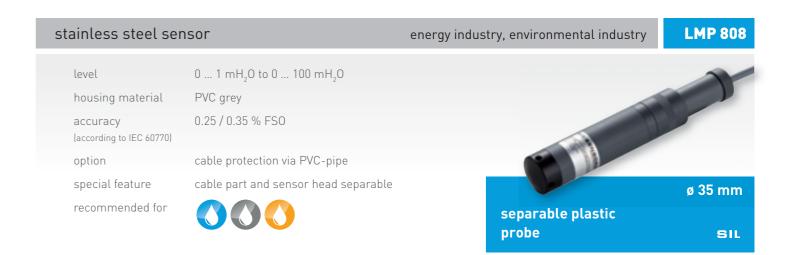
STANDARD



STANDARD

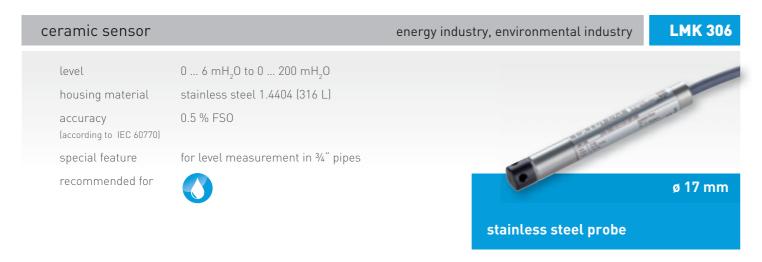






HYDROSTATIC LEVEL PROBE

STANDARD

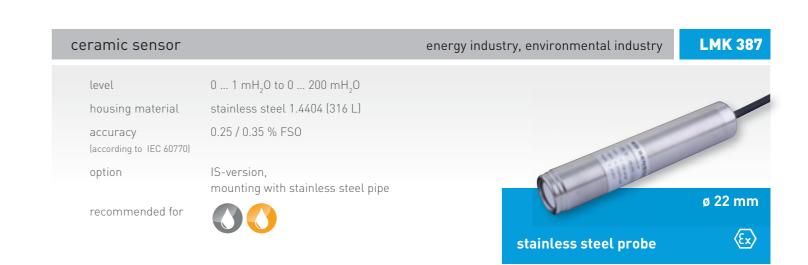






STANDARD

ceramic sensor		energy industry, environmental industry	LMK 382
level housing material	0 40 cmH ₂ 0 to 0 100 mH ₂ 0 stainless steel 1.4404 (316 L)		
accuracy (according toi IEC 60770)	0.25 / 0.35 % FSO		
option	IS-version, flange version, diaphragm 99.9 % Al ₂ O ₃ , mounting with stainless steel pipe		ø 39.5 mm
recommended for	0000	stainless steel probe	€x





STANDARD

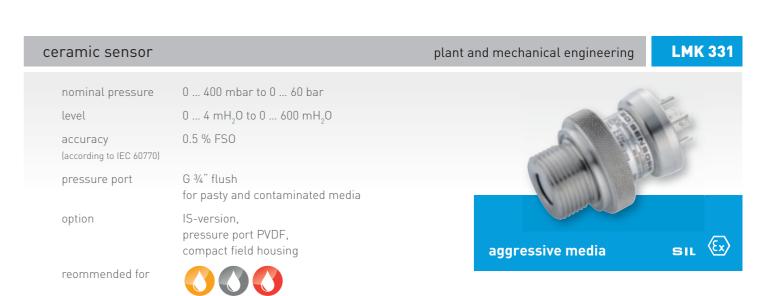
HYDROSTATIC LEVEL PROBE

ceramic sensor		chemical industry, enviromental industry	LMK 807
level housing material accuracy (according to IEC 60770)	0 4 mH ₂ 0 to 0 100 mH ₂ 0 PVC grey 0.5 % FS0		
option recommended for	FKM, EPDM, FFKM seals		ø 35 mm
		plastic probe	SIL

ceramic sensor	chemical i	ndustry, environmental industry	LMK 809
level	0 0.4 mH ₂ 0 to 0 100 mH ₂ 0		
housing material	PP or PVDF		
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO		
special feature	diaphragm 99.9 % ${\rm Al_2O_3}$, chemical resistance		(5
option	prepared for mounting with pipe extension		ø 45 mm
recommended for		plastic probe	

ceramic sensor		chemical industry, environmental industry	LMK 858
level housing material	0 $0.4 \text{ mH}_2\text{O}$ to 0 $100 \text{ mH}_2\text{O}$ PVC grey		~
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO		
special feature	cable part and sensor head separable	e	
option	cable protection via PVC-pipe, diaphragm 99.9 % Al ₂ O ₃ chemical resistance	separable	ø 45 mm
recommended for		plastic probe	







PRESSURE SWITCH

with display



33

SWITCH

PRESSURE SWITCH WITH DISPLAY 29 - 32

PRESSURE SWITCH WITHOUT DISPLAY

APPLICATIONS

,	1.31	1 1 12
\rightarrow	mobile	hydraulics

→ dry running protection

- → flow monitoring
- → grease monitoring
- \rightarrow gas compressors
- → test and construction engineering

Due to the simple handling as well as the variety of software features (switching points and hysteresis freely configurable, delay function, min/ max-value data storage, display and analogue output signal scalable, etc.) the DS 200 / DS 400 series is especially suitable as an intelligent pressure switch for general plant and machine construction and the processing industry.

output signal:

2-wire (4 ... 20 mA) or 3-wire (0 ... 10 V), up to 4 contacts

electrical connection:

various plugs

(e.g. DIN or circular plug) or cable outlet

Depending on the requirements, the universal pressure measuring devices with display and switching contacts can be used as:

29

- → pressure transmitter
- → electronic pressure switch
- → digital pressure gauge

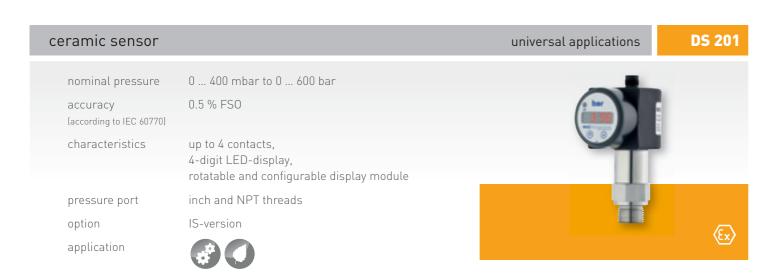
stainless steel sensor universal applications **DS 400** nominal pressure 0 ... 100 mbar to 0 ... 600 bar accuracy 0.25 / 0.35 % FSO (according to IEC 60770) characteristics up to 2 contacts, 4-digit LED-display in ball housing, rotatable and configurable display module inch and NPT threads pressure port IS-version option $\langle \epsilon_x \rangle$ robust version application

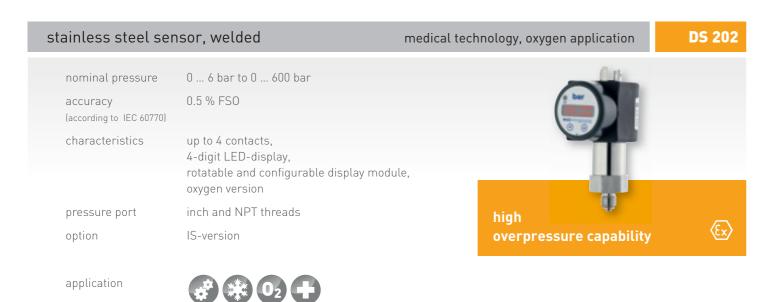


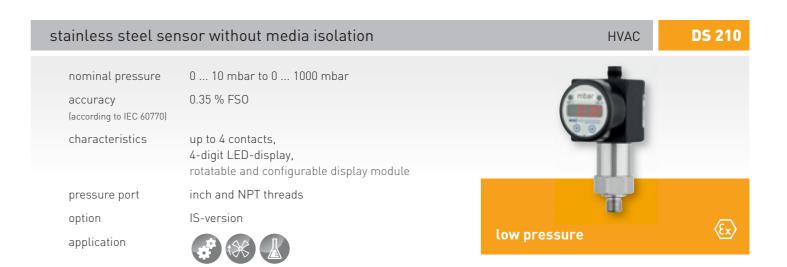
PRESSURE SWITCH

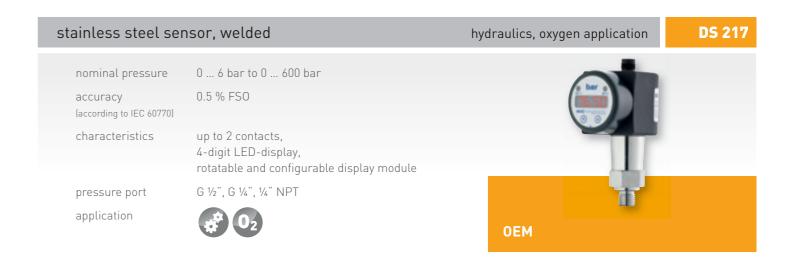
with display

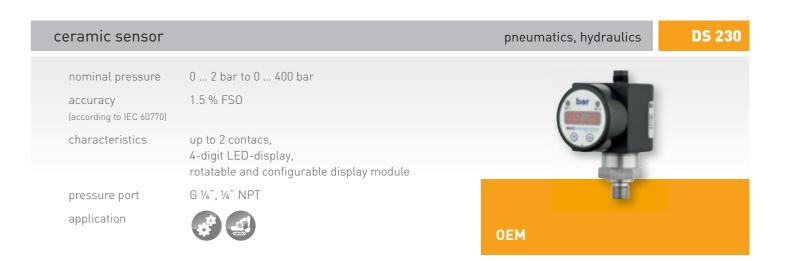












PRESSURE SWITCH

with display

stainless steel sensor hygienic applications 0 ... 100 mbar to 0 ... 40 bar nominal pressure 0.25 / 0.35 % FSO accuracy (according to IEC 60770) up to 4 contacts, characteristics 4-digit LED-display, rotatable and configurable display module inch thread (flush), dairy pipe, clamp pressure port cooling element up to 300 °C option $\langle \epsilon_x \rangle$ application

DS 200 P

PRESSURE SWICH

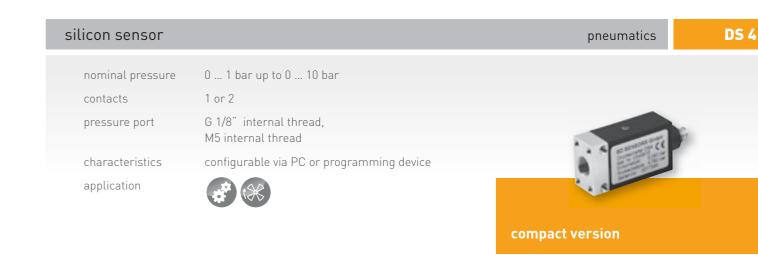
without display

The pressure switches DS 4 and DS 6 were designed also for OEMs (original equipment manufacturers). These electronic pressure switches are used in hydraulic and pneumatic applications for monitoring and controlling the pressure via switching outputs.

The 1 or 2 freely programmable contacts whose status is indicated by differently coloured LED's can be configured quickly and comfortably either by the optionally available tools P-Set (PC software and programming adapter) or via the programming device P6.



ceramic sensor		hygienic applications	DS 201 P
nominal pressure accuracy (according to IEC 60770)	0 60 bar to 0 400 bar 0.5% FSO	185.00	
characteristics	up to 4 contacts, 4-digit LED-display, rotatable and configurable display moduler		
pressure port	inch thread (flush)		
option application	cooling element up to 300 °C	high pressure	€ x







34

DISPLAYS 35





EVALUATION

DISPLAYS

DATA LOGGER

35 - 37

APPLICATIONS

- → in situ display for pressure, temperature and level
- → in situ display at pumping stations
- → display panel for silo battery
- → combined level and temperature measurement in heated container
- → pressure regulation of hydraulic circuits
- → filter monitoring
- → pressure and level measurement in biogas plants
- → pressure regulation / monitoring of test stands

In order to correctly interpret analogue signals, display and evaluation devices are indispensable. Besides the classic version with display and analogue outputs (PA 430, ASM 430), BDISENSORS offers with the process displays of CIT-series an evaluation device that can be combined with our pressure measuring devices and hydrostatic submersible probes and is furthermore also suitable for acquiring for example temperature and potentiometer signals.

The multifunctional process transmitter CIT 400 has been exclusively developed for supplying 2- and 3-wire sensors with current signal and for acquiring measuring results. Two different types of housing and a combination of independent limit contacts and a freely configurable analogue output are available. We are therefore able to offer you solutions for nearly every measurement task.

plug-on display, self powered

PA 430

display 4-digit LED display,

display and housing rotatable

signal input 4 ... 20 mA / 2-wire

0 ... 10 V / 3-wire

characteristics adjustable housing

option IS-version,

up to 2 freely configurable contacts

dimensions 47 x 47 x 68 mm (W x H x D)



field display

4-digit LC-display

4 ... 20 mA / 2-wire 0 ... 10 V / 3-wire

option IS-version

display

signal input

up to 2 freely configurable contacts

dimensions plastic housing

120 x 80 x 57 mm (W x H x D)

aluminium housing

125 x 80 x 57 mm (W x H x D)





PA 440

CIT 200 process display 4-digit LED display display 0/4 ... 20 mA. 1 ... 5 V signal input 0/2 ... 10 V signal input PT 100 / PT 500 / PT 1000 option remote control front panel housing dimensions 72 x 36 x 77 (95) mm (W x H x D)

process display **CIT 350** 4-digit LED display, display multicolour 20 segment bargraph 0/4 ... 20 mA / 0/1 ... 5 V signal output 0 /2 ... 10 V 2 or 4 freely configurable contacts, option analogue output front panel housing dimensions 48 x 96 x 98 mm (W x H x D)

with bargraph

CIT 250 process display display 4-digit LED display 0/4 ... 20 mA, 1 ... 5 V signal input 0/2 ... 10 V signal input PT100 / PT 500 / PT 1000, option up to 2 freely configurable contacts front panel housing dimensions

72 x 36 x 95 mm (W x H x D)

with contacts

process display **CIT 400** display 4-digit LED display signal input 0/4 ... 20 mA ************ IS-version, option up to 4 limit value relays and 1 alarm relay dimensions front panel housing

process display **CIT 300** 4-digit LED display display 0/4 ... 20 mA / 0/1 ... 5 V signal input 0/2 ... 10 V signal input PT 100 / PT 500 / PT 1000, option 2 or 4 freely configurable contacts, analogue output front panel housing dimensions 96 x 48 x 98 mm (W x H x D) with contacts and analogue output

multichannel process display LCD graphic LC display display 128 x 64 pixel, background illuminated 2 / 4 / 8 channels: 0/4 ... 20 mA signal input signal input PT 100 / PT 500 / PT 1000, option lockable door dimensions front panel housing 96 x 96 x 98 mm (W x H x D)

72 x 72 x 110 mm (W x H x D)

70 x 75 x 110 (W x H x D)

housing for hat rail and wall mounting



 $\langle \epsilon_x \rangle$

CIT 600

The data logger can record up to 2 million measurement values with a maximum measuring rate of 1 Hz in internal memory (8 MB). By connecting a USB stick, the capacity can be enlarged to several GB.

The software helps the user displaying (table, graphic), saving, evaluating and exporting the recorded data as well as issuing reports and configurations.

multichannel process display, LCD

CIT 650

display graphic LC display

128 x 64 pixel, background illuminated

signal input

max. 8 channels: 0 ... 20 mA, 0 ... 10 V

option signal input PT 100 / PT 500 / PT 1000, USB-host-port, internal memory 8 MB,

lockable door

dimensions

front panel housing

96 x 96 x 100 mm (W x H x D)



multichannel process display, TFT

CIT 700

CIT 750

display graphic TFT-display,

CIT 700: 3,5", 320 x 240 pixel, CIT 750: 5,7", 320 x 240 Pixel,

touchscreen

characteristics 3 freely fittable slots,

16 different input / output modules,

transducer supply 24 V_{DC} , communication interfaces:

RS-485 (Modbus RTU) master / slave, USB-host-port, USB device connection

option communication interfaces:

2 x RS-485, 1 x RS-232, 2 x USB-host-port,

Ethernet 10 MB. RJ-45

dimensions 96 x 96 x 100 mm (W x H x D) CIT 700

144 x 144 x 100 mm (W x H x D) CIT 750

functional range standard

- configuration of max. 60 channels via inputs, outputs, mathematical / logical functions,

controller, profiles or virtual outputs

- allocation of clogged channels in 10 groups (max. 6 channels per group)

- connection of channels via mathematical / logical functions

- 8 integrated PD / PI / PID controller

data logger - data logging of max. 60 channels

- freely selectable measuring rate (max. 10 Hz)

- extensive trigger functions - internal memory 1.5 GB





SPECIAL DEVICES NEW PRODUCTS

BD|SENSORS offers besides the classic analogue pressure and level transmitters also devices with digital interfaces. The basis is the interface standard RS 485, which has a high electromagnetic immunity due to the symmetric signal transmission, and which is suitable for a max. wire length of up to 1 km.

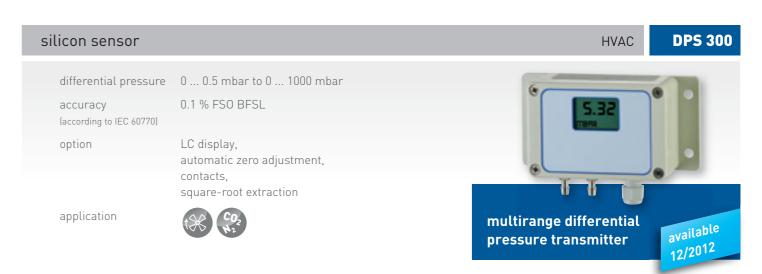
Besides these characteristics, the network capability is an important criterion, which is why the RS 485 standard is among other things the basis for the different PROFIBUS interfaces. BDISENSORS uses ModBus RTU as communication protocol.

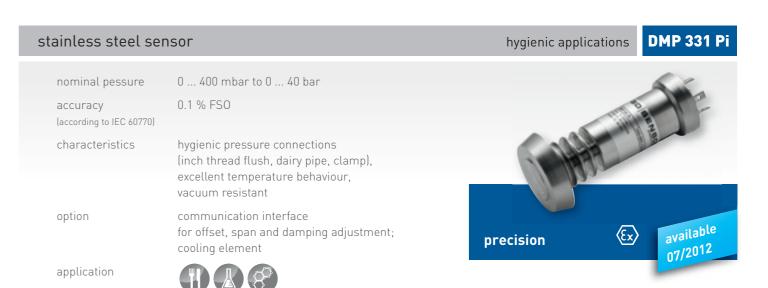
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heavy industry

The heavy industry sector – in particular the mining, heavy chemical, iron and steel industries - places high demands on the housing, the electronics and the sensor element. No problem for BD|SENSORS, as our pressure transmitters can withstand even the roughest process conditions and are characterized by

- high mechanical stability (shock and vibration resistance)
- ATEX approval (ia = intrinsically safe version, xd = flameproof enclosure)
- dust ATEX zone 20
- SIL (construction of pressure transmitters acc. to international safety standard)





environmental industry - water and waste water

BD|SENSORS sets standards in industrial and domestic water treatment with its elaborate selection of pressure and level measurement devices. Whether drinking water, sludge or aggressive waste water is concerned - the demands on our hydrostatic submersible probes could not be more diverse.

By using specific sensor technologies and robust housing materials (PP, PVC, PVDF, stainless steel etc.) as well as seal and cable sheath materials in combination with many years of experience, we assist you in choosing the correct transmitter type for your application.





chemical and petrochemical industry

From the production of colors and varnishes to synthetic fabrics, from the distillation to the storage in tanks - an accurate monitoring and exact dosage is essential for the safety and maximum productivity in chemical and petrochemical plants.

Precise measurements of our pressure and level transmitters in crucial places result in a saving of time, a higher productivity and reliability in the later production stages. We answer all your questions and provide individual solutions!





oil and gas industry

The oil and gas industry becomes more and more important, as resources are activated, new oil and gas fields are exploited and existing plants are modified in order to cover the worldwide demand for oil and natural gas. For improving the efficiency of those plants, higher and higher requirements are placed to component suppliers. BD|SENSORS offers safe electronic pressure and level measurement devices by:

- carefully selecting and using oil and seawater resistant metal alloys and cable sheath materials
- globally accepted approvals as GL, DNV, ATEX, UL etc.
- high reliability (SIL certification)
- abrasion-resistant pressure sensors
- ingress protection rates of IP 68 and higher.





energy industry / renewable energies

A high efficiency, reliability and economic efficiency are the fundamental requests that plant construction companies have in energy management. Whether fossil fuels, wind or water power, solar or geothermal energy – system components such as pressure and level transmitters with an outstanding life expectancy and precision are of importance here.





food and luxury food industry

Due to rising demands on the hygienic conditions in the food and luxury food sector, our pressure and level transmitters are part of a hygienic concept and have to comply with the specific process requirements such as materials, CIP/ SIP capable sensors, surface roughness, adaption and design of process connections acc. to 3A standard and EHEDG as well as elastomeric seals.

BD|SENSORS offers with its pressure transmitters, pressure switches and level probes the complete equipment for measurements under alternating conditions or for cyclic cleaning and sterilization processes.





plant and mechanical engineering

The plant and mechanical engineering sector is situated in a complex global environment. To be successful in this branch, reliability and flexibility in the measurement task (pressure ranges, accuracy, electrical and mechanical connections), on-time deliveries as well as the processing of output signals are in the center of interest.

As a reliable supplier of electronic pressure measurement devices, BDISENSORS offers complete and practical solutions for companies and measurement tasks of all kind. With our customized products, we are able to convert your challenge into an efficient process





marine / shipbuilding / offshore

The electronic pressure and level transmitters such as DMK 458, DMP 457 and LMK 458 face extreme mechanical and climatic conditions on board of ships, harbor terminals, wind power stations, drilling rigs etc. BDISENSORS offers with its wide product range solutions for requirements such as:

- resistance against seawater
- vibration resistance and long-term stability
- high safety aspect also in hazardous areas as well as an overcharging protection for chemicals and LPG
- stability at extreme temperature changes
- · highest accuracy on draught measurement
- marine approvals such as GL (Germanischer Lloyd) and DNV (Det Norske Veritas).

COMPETENCE

Industrial pressure measurement technology from 0.1 mbar up to 6000 bar

PRICE / PERFORMANCE

pressure measurement at the highest level

- → pressure transmitters, electronic pressure switches or hydrostatic level probes
- → OEM or high-end products
- → standard products or customized solutions

BD|SENSORS has the right pressure measuring device at the right price.

The concentration on electronic pressure transmitter has led to extraordinary efficiency and economical pricing.

BDISENSORS is certain to be one of the most economical suppliers on the world market, given equal technical and commercial conditions.

RELIABILITY

projectable delivery times and strict observance of deadlines

Short delivery times and firm deadlines, even for special designs, make BD|SENSORS a reliable partner for our customers.

BDISENSORS reduces the level of your stock-keeping and increases your profitability.

FLEXIBILITY

We have special solutions for your individual requirement.

We solve your problem in industrial pressure measurement quickly and economically, not only with large-scale production lines, but also for smaller requirements.

BDISENSORS is especially flexible when technical support and quick assistance are required in service case as well as for rush orders.



A successful cooperation to our customer's full satisfaction is our motivation - developing together high-quality competitive pressure and level transmitters.

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Customer-specific solutions, reliability and flexibility combined with an excellent price/performance ratio make us a competent partner for pressure measurement at the highest level."

KNOW-HOW

Know-how is the foundation for successfully producing high-quality electronic pressure measurement devices.

Modern equipment in development and production together with reliable partners are the basic units which make this foundation strong.

- → ISO 9001 certified
- → state-approved metrology center
- → accredited calibration laboratory
- → EMC-lab for norm-conforming tests
- → state-of-the-art CNC production
- → CIM production

INDUSTRIES



plant and machine engineering



chemical and biochemical industry



energy industry



renewable energy



semiconducter industry / cleanroom technology



HVAC



hydraulics



refrigeration



calibration techniques



laboratory techniques



medical technology



food and beverage



hydraulics



oil and gas industry



pharmaceutical industry



marine / shipbuilding / offshore



heavy industry



environmental industry



packaging and paper industry

MEDIA



sewage



aggressive media



colours



gases



fuels and oils



pasty and viscous media



oxygen





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