



## **PRODUCT OVERVIEW**

## LEVELPRO

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

# 1



stainless steel silicon sensor

# 2



stainless steel sensor

### type DSP 210 without media isolation ( $\varnothing = 18$ mm)

pressure ranges: 0 20 mbar to 0 7 bar  
 application: gases, compressed air,  
 liquids and non-aggressive media

### type DSP 410 / DSP 411 ( $\varnothing = 18$ 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 ( $\varnothing = 15$ mm) with stainless steel diaphragm

pressure ranges: 0 400 mbar to 0 600 bar  
 application: for submersible probes  $\varnothing = 17$  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

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

3



thickfilm ceramic sensor

4



capacitive ceramic sensor

**type DSK 511 with flush diaphragm  
( $\varnothing = 18 \text{ mm}$ )**

pressure ranges: 0 0.5 bar to 0 600 bar

application: for aggressive media and oxygen;  
with flush diaphragm preferred  
for highly viscous or contaminated  
media

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

pressure ranges: 0 0.5 bar to 0 50 bar

application: for submersible probes  $\varnothing 17 \text{ mm}$   
and pressure transmitter with  
G 1/2" flush

**type DSK 611 in monolithic design  
( $\varnothing = 18 \text{ mm}$ )**

pressure ranges: 0 2 bar to 0 400 bar

application: OEM products with excellent price /  
performance ratio

**type DSK 701  
( $\varnothing = 32.4 \text{ mm}$ )**

pressure ranges: 0 60 mbar to 0 20 bar

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

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.)



**TAKING YOUR PRESSURE TO A  
HIGHER LEVEL**



**Levelpro "Built To Handle  
Industry's Toughest  
Applications"**

LEVELPRO has solutions from 0.1 mbar to 6000 bar:

- pressure sensors, pressure transducers pressure transmitters
- electronic pressure switches
- pressure measuring devices with display and switching outputs
- hydrostatic 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 customer-specific applications, underlining the competence and flexibility of LEVELPRO. 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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**Flexibly, quickly and cost-efficiently.**



# PRESSURE

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## APPLICATIONS

- hydraulics

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- pneumatics

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- process monitoring and process engineering

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- control systems

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- tool construction / presses / injection molding machines

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- power supply and distribution

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# PRESSURE TRANSMITTER

**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 such 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

**MPX i**



nominal pressure	0 ... 400 mbar to 0 ... 600 bar (turn-down 1:10 adjustable)
accuracy (according to IEC 60770)	0.1 % FSO
process connection	inch and NPT threads, DRD, flange
housing	two chamber aluminum die cast case stainless steel field housing
option	display and operating module cooling element up to 300°C, flameproof enclosure
application	 



### ceramic sensor

process, oil and gas industry

**MPX ci**






nominal pressure	0 ... 60 mbar to 0 ... 20 bar (turn-down 1:10 adjustable)
accuracy (according to IEC 60770)	0.2 % FSO
process connection	inch and NPT threads, DRD, flange
housing	two chamber aluminum die cast case stainless steel field housing
option	display and operating module flameproof enclosure
application	 










# PRESSURE TRANSMITTER

## PRECISION

<b>stainless steel sensor</b>		hygienic applications	<b>lactx i</b>
nominal pressure	0 - 400 mbar to 0 - 40 bar (turn-down 1:10 adjustable)	 <p>hygienic design HART® </p>	
accuracy (according to IEC 60770)	0.1 % FSO		
process connection	G1" cone, clamp, dairy pipe, Varivent®, DRD, flange		
characteristics	hygienic version, display and operating module cooling element up to 300 °C		
option	IS - version		
application	  		

<b>ceramic sensor</b>		hygienic applications	<b>lactx ci</b>
nominal pressure	0 - 60 mbar to 0 - 20 bar (turn-down 1:10 adjustable)	 <p>hygienic design HART® </p>	
accuracy (according to IEC 60770)	0.2 % FSO		
process connection	G1 1/2" flush, clamp, dairy pipe, Varivent®, flange, DRD		
characteristics	hygienic version, display and operating module, diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub>		
option	IS-version		
application	  		



<b>stainless steel sensor</b>		laboratory, environmental industry	<b>MPD 331 i</b>	<b>MPD 333 i</b>
nominal pressure	0 - 400 mbar to 0 - 40 bar (DMP 331i) 0 - 60 bar to 0 - 600 bar (DMP 333 i)	 <p></p>		
accuracy (according to IEC 60770)	0.1 % FSO			
characteristics	Digital electronics for linearization and active temperature compensation (temperature error 0.02% / 10 K), with communication interface for offset and span adjustment			
option	IS-version, Digital communication interface			
application	  			

## INDUSTRY

stainless steel sensor without media isolation

HVAC

**DMP 433**

nominal pressure	0 10 mbar to 0 1000 mbar
accuracy (according to IEC 60770)	0.35% FSO
option	IS – version compact field housing
application	 



extreme low pressure

SIL







stainless steel sensor

universal applications

**DMP 313**

**DMP 333**

nominal pressure	0 100 mbar to 0 40 bar (DMP 331) 0 60 bar to 0 600 bar (DMP 333)
accuracy (according to IEC 60770)	0.1 / 0.2 / 0.35 % FSO
option	IS – version compact field housing flush pressure port (DMP 331)
application	   





SIL



stainless steel sensor

hydraulics

**MPD 393**

nominal pressure	0 60 bar to 0 600 bar
accuracy (according to IEC 60770)	0.35% FSO
characteristics	G1/4" flush (Ø 8 mm)
option	IS – version
application	 



flush



# PRESSURE TRANSMITTER

## INDUSTRY

stainless steel sensor, welded

medical technology, hydraulics

**MPD 335**

nominal pressure	0 - 6 bar to 0 - 600 bar
accuracy (according to IEC 60770)	0.5 % FSO
characteristics	suitable for oxygen application, resistant against pressure peaks
option	IS - version
application	   





high overpressure capability



stainless steel sensor, welded

plant and mechanical engineering

**MPD 334**

nominal pressure	0 - 600 bar to 0 - 2200 bar
accuracy (according to IEC 60770)	0.5 % FSO
option	IS-version compact field housing, adjustability of span and offset
application	 



high pressure



strain gauge

oil and gas industry

**MPD 304**

nominal pressure	0 - 2000 bar to 0 - 6000 bar
accuracy (according to IEC 60770)	0.25 / 0.5 % FSO
characteristics	adjustability of offset and span via external potentiometers pressure port 9/16 UNF
option	IS-version,
application	  



ultra high pressure



## INDUSTRY

### ceramic sensor

universal applications

**MKD 331**

nominal pressure	0 400 mbar to 0 600 bar
accuracy (according to IEC 60770)	0.5 % FSO
option	IS – version compact field housing, pressure port PVDF, oxygen application, pressure port G 1/2" flush
application	



aggressive media

SIL



### ceramic sensor

laboratory techniques, biogas plants

**MKD 351**

nominal pressure	0 40 mbar to 0 20 bar
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
option	IS – version compact field housing diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub>
application	



high overpressure capability



### ceramic sensor

marine / shipbuilding / offshore

**KDM 457**

nominal pressure	0 400 mbar to 0 600 bar
accuracy (according to IEC 60770)	0.5 % FSO
option	IS – version, compact field housing, submersible version, pressure port CuNiFe
recommended for application	viscous, pasty and polluted media



# PRESSURE TRANSMITTER

## INDUSTRY

stainless steel sensor, welded

medical technology, hydraulics

**MPD 457**

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



ceramic sensor

marine / shipbuilding / offshore

**MKD 456**

nominal pressure	0 40 mbar to 0 20 bar
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
special feature	IS-version (temperature class T6), Stainless steel field housing
option	diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub> Stainless steel field housing
application	



robust housing



ceramic sensor

marine / shipbuilding / offshore

**MKD 458**

nominal pressure	0 40 mbar to 0 20 bar
accuracy (according to IEC 60770)	0.1 / 0.25 % FSO
special feature	stainless steel field housing
option	IS-version (temperature class T4) Diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub> Pressure port of CuNiFe
application	







## INDUSTRY

### stainless steel

hygienic application

**MPD 331 P**

nominal pressure	0 100 mbar to 0 40 bar
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
process connection	G 1/2", G 3/4", G1" flush, dairy pipe, clamp
option	IS-version, compact field housing, FDA conforming filling fluid, cooling element up to 300 °C
application	  





flush

SIL 

### ceramic sensor

hygienic applications

**MKD 331 P**

nominal pressure	0 60 bar to 0 400 bar
accuracy (according to IEC 60770)	0.5 % FSO
process connection	G 1/2", G 3/4", G1" flush
option	compact field housing, FDA conforming filling fluid, cooling element up to 300 °C
application	 



flush

SIL 

### ceramic sensor

hygienic applications

**MKD 351 P**

nominal pressure	0 40 mbar to 0 20 bar
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
process connection	G1 1/2" flush, clamp, dairy pipe, Varivent <sup>®</sup> , flange
option	IS-version compact field housing, diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub>
application	 







high overpressure capability




# PRESSURE TRANSMITTER

## OEM

<b>stainless steel sensor, welded</b>		mobile hydraulics	<b>A17.600</b> G
nominal pressure	0 100 mbar to 0 600 bar	 <p>heavy duty</p>	
accuracy (according to IEC 60770)	0.5 % FSO		
output signal	4 20 mA / 2-wire 0 10 V / 3-wire 0.5 4.5 V / 3-wire rat.		
pressure port	G 1/4", 1/4" NPT, G 1/2"		
application	   		

<b>stainless steel sensor without media isolation</b>		plant and mechanical engineering	<b>A18.600</b> G
nominal pressure	0 100 mbar to 0 6 bar	 <p>pneumatics</p>	
accuracy (according to IEC 60770)	0.5 % FSO		
output signal	4 20 mA / 2-wire 0 10 V / 3-wire 0.5 4.5 V / 3-wire rat.		
pressure port	G 1/4", 1/4" NPT, G 1/2"		
application			

<b>stainless steel sensor</b>		general industrial applications	<b>A18.601</b> G
nominal pressure	0 100 mbar to 0 6 bar	 <p>low pressure</p>	
accuracy (according to IEC 60770)	0.5 % FSO		
output signal	4 20 mA / 2-wire 0 10 V / 3-wire 0.5 4.5 V / 3-wire rat.		
pressure port	G 1/4", 1/4" NPT, G 1/2"		
application	   		

## OEM

### stainless steel sensor

general industrial application

**A18.605**  
**G**

nominal pressure	0 1 mH <sub>2</sub> O to 0 10 mH <sub>2</sub> O
accuracy (according to IEC 60770)	0.5 % FSO
output signal	4 20 mA / 2-wire 0 10 V / 3-wire 0.5 4.5 V / 3-wire rat.
pressure port	G 1/4", with PVC Cable
application	



submersible

### ceramic sensor

universal application

**A26.600**  
**G**

nominal pressure	0 1 bar to 0 400 bar
accuracy (according to IEC 60770)	0.5 % FSO
output signal	4 20 mA / 2-wire 0 10 V / 3-wire 0.5 4.5 V / 3-wire rat.
pressure port	G 1/4", 1/4" NPT, G 1/2"
option	oil and grease free version
application	



standard

### ceramic sensor

universal application

**A30.600**  
**G**

nominal pressure	0 1,6 bar to 0 250 bar
accuracy (according to IEC 60770)	1 % FSO
output signal	4 20 mA / 2-wire 0 10 V / 3-wire 0.5 4.5 V / 3-wire rat.
pressure port	G 1/4", 1/4" NPT
application	



low cost

# DIFFERENTIAL PRESSURE TRANSMITTER

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

Thanks to different sensor technologies combined with compact aluminum 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

stainless steel sensor

process, oil and gas industry

**MDX**

nominal pressure	0 – 75 mbar to 0 – 2 bar
accuracy (according to IEC 60770)	0.1 % FSO
characteristics	IS-version, turn-down 1:10, aluminum die-cast case
process connection	internal thread 1/4" – 18 NPT
option	display and operating module, flameproof enclosure, chemical seals assembly
application	  



## INDUSTRY

stainless steel sensor

plant and mechanical engineering

**MDD 331**

nominal pressure	0 – 0.2 bar to 0 – 16 bar
differential pressure	0 – 20 mbar to 0 – 16 bar
accuracy (according to IEC 60770)	0.5 % FSO
characteristics	compact design, wet / wet mechanically robust and reliable at dynamic pressure as well as with shock and vibration
application	 





## INDUSTRY

### stainless steel sensor

plant and mechanical engineering

**MDD 831**

differential pressure	0 80 mbar to 0 70 bar
accuracy (according to IEC 60770)	1 % FSO BFSL
characteristics	display and pressure port rotatable, up to 2 contacts, turn-down 1:10
application	 





fluids + gases

### silicon sensor

plant and mechanical engineering

**MDD 341**

nominal pressure	0 6 mbar to 0 1000 mbar
accuracy (according to IEC 60770)	0.35 / 1 / 2 % FSO
option	display and switching module with up to 2 contacts
application	 





gases

### silicon sensor

HVAC

**PSD 200**

differential pressure	0 1 mbar to 0 1.000 mbar
accuracy (according to IEC 60770)	1 % FSO BFSL
option	5-digit LC-display
application	 



gases and compressed air



## DIGITAL PRESSURE GAUGE

With a great variety of mechanical and electrical connections, LEVELPRO 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 sensor

test and calibration equipment

MD 01

nominal pressure	0 100 mbar to 0 400 bar
accuracy (according to IEC 60770)	0.05 % FSO BFSL
characteristics	stainless steel housing $\varnothing = 100$ mm, data logger function, modular sensor concept
LC- display	graphic LC-display 128 x 64 pixel with background illumination
pressure port	inch, NPT threads
option	IS-version, digital output, RS 485 / USB-interface
application	  



modular concept



## INDUSTRY

### stainless steel sensor / ceramic sensor

**BAROLI  
02-000**

**BAROLI  
05-000**

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 % FSO BFSL (BAROLI 02) 0.25 % FSO BFSL (BAROLI 05)
LC-display	4.5 digit 7-segment display, 6-digit 14-segment additional display
process connection	inch, NPT threads
application	  



housing and display rotatable

### stainless steel sensor / ceramic sensor

**BAROLI 02  
P-PP**

**BAROLI 05  
P-PP**

nominal pressure	0 100 mbar to 0 40 bar (BAROLI 02 P) 0 60 mbar to 0 400 bar (BAROLI 05 P)
accuracy (according to IEC 60770)	0.2 % FSO BFSL (BAROLI 02 P) 0.25 % FSO BFSL (BAROLI 05 P)
LC-display	4.5 digit 7-segment display, 6-digit 14-segment additional display
process connection	G 1/2" flush, G 1" flush, dairy pipe, clamp
application	   



flush

## OEM

### silicon sensor

plant and mechanical engineering

**MD 10**

nominal pressure	0 1.6 bar to 0 250 bar
accuracy (according to IEC 60770)	0.5 % FSO BFSL
characteristic	adjustable housing
LC-display	4,5-digit 7-segment display
pressure port	G 1/4", 1/4" NPT
function	min-/max-function with reset-function
application	 



low-cost



# LEVEL

HYDROSTATIC LEVEL PROBES

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SCREW – IN TRANSMITTERS

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## APPLICATIONS

- ground water monitoring

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- depth and level measurement in wells

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- drinking water systems

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- level monitoring in open and closed tanks

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- storm water systems

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- pump and booster stations

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- water treatment plants

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- tank farms / fuel storage

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- recycling of process water

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## HYDROSTATIC LEVEL PROBES

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

The separable submersible probes MPL 308 / MPL 808 / MKL 358 / MKL 858 are a specialty; 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

**MPL 308 i**




level	0 4 mH <sub>2</sub> O to 0 250 mH <sub>2</sub> O
housing material	stainless steel 1.4404 (316 L)
accuracy (according to IEC 60770)	0.1 % FSO
special feature	cable part and sensor head separable
option	IS-version cable protection via corrugated pipe
recommended for	 



### ceramic sensor

environmental industry

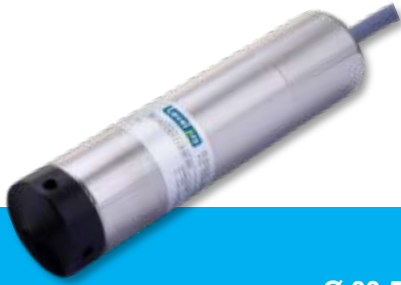




**MKL 358 H**










level	0 60 cmH <sub>2</sub> O to 0 100 mH <sub>2</sub> O
housing material	stainless steel 1.4404 (316 L)
accuracy (according to IEC 60770)	0.1 / 0.2 % FSO
special feature	HART® communication
option	IS-version, cable protection via corrugated pipe, diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub>
recommended for	  





# HYDROSTATIC LEVEL PROBE

## PRECISION

<b>ceramic sensor</b>		<b>chemical industry, environmental industry</b>	<b>MKL 382 H</b>
level	0 60 cmH <sub>2</sub> O to 0 100 mH <sub>2</sub> O		 <p><b>stainless steel probe</b></p> <p>Ø 39.5 mm HART® </p>
housing material	stainless steel 1.4404 (316 L)		
accuracy (according to IEC 60770)	0.1 / 0.2 % FSO		
special feature	HART® communication		
option	IS-version, flange version, diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub>		
recommended for	  		

<b>ceramic sensor</b>		<b>marine / shipbuilding / offshore</b>	<b>MKL 458 H</b>
level	0 60 cmH <sub>2</sub> O to 0 200 mH <sub>2</sub> O		 <p>Ø 39.5 mm</p> <p>     </p>
housing material	stainless steel 1.4404 (316 L), CuNiFe		
accuracy (according to IEC 60770)	0.1 / 0.2 % FSO		
special feature	HART® communication		
option	IS-version, diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub> , screw-in or flange version		
recommended for	   		

## STANDARD

<b>stainless steel sensor</b>		<b>energy industry, environmental industry</b>	<b>MPL 305</b>
level	0 1 mH <sub>2</sub> O to 0 250 mH <sub>2</sub> O		 <p><b>stainless steel probe</b></p> <p>Ø 19 mm</p>
housing material	stainless steel 1.4404 (316 L)		
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO		
special feature	suitable for level measurement in 1" pipes		
recommended for			






## STANDARD

### stainless steel sensor

energy industry, environmental industry

**MPL 307**

level	0 1 mH <sub>2</sub> O to 0 250 mH <sub>2</sub> O
housing material	stainless steel 1.4404 (316 L)
accuracy (according to IEC 60770)	0.1 / 0.25 / 0.35 % FSO
special feature	HART <sup>®</sup> communication
option	IS-version, cable protection via corrugated pipe
recommended for	  



stainless steel  
probe




Ø 27 mm

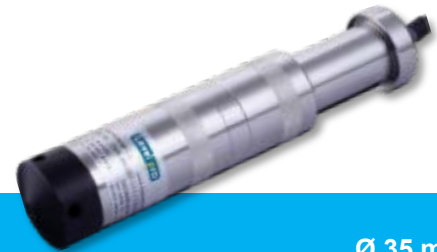
SIL 

### stainless steel sensor

energy industry, environmental industry

**MPL 308**

level	0 1 mH <sub>2</sub> O to 0 250 mH <sub>2</sub> O
housing material	stainless steel 1.4404 (316 L)
accuracy (according to IEC 60770)	0.1 / 0.25 / 0.35 % FSO
option	IS-version cable protection via corrugated pipe
special feature	cable part and sensor head separable
recommended for	  



separable stainless  
steel probe




Ø 35 mm

SIL 

### stainless steel sensor

energy industry, environmental industry

**MPL 808**

level	0 1 mH <sub>2</sub> O to 0 100 mH <sub>2</sub> O
housing material	PVC grey
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
option	cable protection via PVC-pipe
special feature	cable part and sensor head separable
recommended for	  





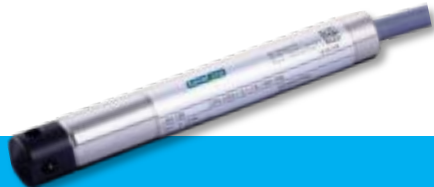







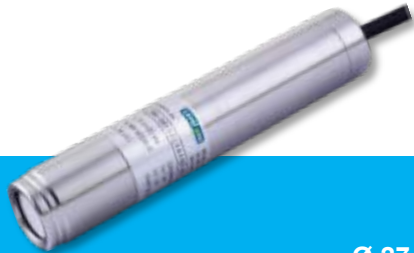















separable plastic  
probe

Ø 35 mm

SIL

# HYDROSTATIC LEVEL PROBE

## STANDARD





ceramic sensor	energy industry, environmental industry	<b>MKL 306</b>											
<table border="0"> <tr> <td>level</td> <td>0 6 mH<sub>2</sub>O to 0 200 mH<sub>2</sub>O</td> </tr> <tr> <td>housing material</td> <td>stainless steel 1.4404 (316 L)</td> </tr> <tr> <td>accuracy (according to IEC 60770)</td> <td>0.5 % FSO</td> </tr> <tr> <td>special feature</td> <td>for level measurement in ¾" pipes</td> </tr> <tr> <td>recommended for</td> <td></td> </tr> </table>	level	0 6 mH <sub>2</sub> O to 0 200 mH <sub>2</sub> O	housing material	stainless steel 1.4404 (316 L)	accuracy (according to IEC 60770)	0.5 % FSO	special feature	for level measurement in ¾" pipes	recommended for		 <p style="text-align: right;">Ø 17 mm</p> <p><b>stainless steel probe</b></p>		
level	0 6 mH <sub>2</sub> O to 0 200 mH <sub>2</sub> O												
housing material	stainless steel 1.4404 (316 L)												
accuracy (according to IEC 60770)	0.5 % FSO												
special feature	for level measurement in ¾" pipes												
recommended for													
ceramic sensor	energy industry, environmental industry	<b>MKL 307</b>											
<table border="0"> <tr> <td>level</td> <td>0 4 mH<sub>2</sub>O to 0 250 mH<sub>2</sub>O</td> </tr> <tr> <td>housing material</td> <td>stainless steel 1.4404 (316 L)</td> </tr> <tr> <td>accuracy (according to IEC 60770)</td> <td>0.5 % FSO</td> </tr> <tr> <td>option</td> <td>IS-version</td> </tr> <tr> <td>recommended for</td> <td>  </td> </tr> </table>	level	0 4 mH <sub>2</sub> O to 0 250 mH <sub>2</sub> O	housing material	stainless steel 1.4404 (316 L)	accuracy (according to IEC 60770)	0.5 % FSO	option	IS-version	recommended for	  	 <p style="text-align: right;">Ø 27 mm</p> <p><b>stainless steel probe</b> SIL </p>		
level	0 4 mH <sub>2</sub> O to 0 250 mH <sub>2</sub> O												
housing material	stainless steel 1.4404 (316 L)												
accuracy (according to IEC 60770)	0.5 % FSO												
option	IS-version												
recommended for	  												
ceramic sensor	energy industry, environmental industry	<b>MKL 358</b>											
<table border="0"> <tr> <td>level</td> <td>0 40 cm H<sub>2</sub>O to 0 100 mH<sub>2</sub>O</td> </tr> <tr> <td>housing material</td> <td>stainless steel 1.4404 (316 L)</td> </tr> <tr> <td>accuracy (according to IEC 60770)</td> <td>0.25 / 0.35 % FSO</td> </tr> <tr> <td>special feature</td> <td>cable protection via corrugated pipe, cable part and sensor head separable</td> </tr> <tr> <td>option</td> <td>IS-version diaphragm 99.9 % Al<sub>2</sub>O<sub>3</sub></td> </tr> <tr> <td>recommended for</td> <td>  </td> </tr> </table>	level	0 40 cm H <sub>2</sub> O to 0 100 mH <sub>2</sub> O	housing material	stainless steel 1.4404 (316 L)	accuracy (according to IEC 60770)	0.25 / 0.35 % FSO	special feature	cable protection via corrugated pipe, cable part and sensor head separable	option	IS-version diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub>	recommended for	  	 <p style="text-align: right;">Ø 39.5 mm</p> <p><b>separable stainless steel probe</b> </p>
level	0 40 cm H <sub>2</sub> O to 0 100 mH <sub>2</sub> O												
housing material	stainless steel 1.4404 (316 L)												
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO												
special feature	cable protection via corrugated pipe, cable part and sensor head separable												
option	IS-version diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub>												
recommended for	  												

## STANDARD

### ceramic sensor

energy industry, environmental industry

**MKL 382**

level	0 40 cmH <sub>2</sub> O to 0 100 mH <sub>2</sub> O
housing material	stainless steel 1.4404 (316 L)
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
option	IS-version, flange version, diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub> mounting with stainless steel pipe
recommended for	   



stainless steel probe



Ø 39.5 mm



### ceramic sensor

energy industry, environmental industry

**MKL 387**

level	0 1 mH <sub>2</sub> O to 0 200 mH <sub>2</sub> O
housing material	stainless steel 1.4404 (316 L)
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
option	IS-version mounting with stainless steel pipe
recommended for	 



stainless steel probe




Ø 22 mm



### ceramic sensor

marine / shipbuilding / offshore

**MKL 458**

level	0 40 cmH <sub>2</sub> O to 0 200 mH <sub>2</sub> O
housing material	stainless steel 1.4404 (316 L), CuNiFe
accuracy (according to IEC 60770)	0.1 / 0.25 % FSO
special feature	permissible temperature up to 125 °C, chemical resistance against seawater and HFO
Option	IS-version; diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub> ; screw-in and flange version
recommended for	  



Ø 39.5 mm



# HYDROSTATIC LEVEL PROBE

## STANDARD

### ceramic sensor

chemical industry, environment industry

**MKL 807**

level	0	4 mH <sub>2</sub> O to 0	100 mH <sub>2</sub> O
housing material	PVC grey		
accuracy (according to IEC 60770)	0.5 % FSO		
option	FKM, EPDM, FFKM seals		
recommended for	 		



plastic probe



Ø 35 mm

SIL

### ceramic sensor

chemical industry, environmental industry

**MKL 809**

level	0	0.4 mH <sub>2</sub> O to 0	100 mH <sub>2</sub> O
housing material	PP or PVDF		
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO		
special feature	diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub> chemical resistance		
option	prepared for mounting with pipe extension		
recommended for	 		





plastic probe

Ø 45 mm

### ceramic sensor

chemical industry, environmental industry

**MKL 858**

level	0	0.4 m H <sub>2</sub> O to 0	100 mH <sub>2</sub> O
housing material	PVC grey		
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO		
special feature	cable part and sensor head separable		
option	cable protection via PVC-pipe, diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub> chemical resistance		
recommended for	 		



separable  
plastic probe



Ø 45 mm

## SCREW – IN TRANSMITTER

stainless steel sensor

plant and mechanical engineering

**MPL 331**

nominal pressure	0 100 mbar to 0 40 bar
level	0 1 mH <sub>2</sub> O to 0 400 mH <sub>2</sub> O
accuracy (according to IEC 60770)	0.1 / 0.25 / 0.35 % FSO
pressure port	G 3/4" flush
option	IS-version, compact field housing
recommended for	 






SIL 

ceramic sensor

plant and mechanical engineering

**MKL 331**

nominal pressure	0 400 mbar to 0 60 bar
level	0 4 mH <sub>2</sub> O to 0 600 mH <sub>2</sub> O
accuracy (according to IEC 60770)	0.5 % FSO
pressure port	G 3/4" flush for pasty and contaminated media
option	IS-version pressure port PVDF, compact field housing
recommended for	  





stainless steel probe

SIL 

ceramic sensor

environmental industry, renewable energy

**MKL 351**

nominal pressure	0 40 mbar to 0 20 bar
level	0 0.4 mH <sub>2</sub> O to 0 200 mH <sub>2</sub> O
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
pressure port	G1 1/2" flush
option	IS-version; pressure port PVDF or stainless steel diaphragm 99.9 % Al <sub>2</sub> O <sub>3</sub> ; compact field housing
recommended for	 



aggressive media







## SWITCHES

PRESSURE SWITCH WITH DISPLAY	29 – 32
PRESSURE SWITCH WITHOUT DISPLAY	33

### APPLICATIONS

- mobile hydraulics

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- dry running protection

---

- flow monitoring

---

- grease monitoring

---

- gas compressors

---

- test and construction engineering

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# PRESSURE SWITCH

with display












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 SD 200 / SD 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 a :

- pressure transmitter
- electronic pressure switch
- digital pressure gauge

stainless steel sensor	universal applications	<b>SD 400</b>												
<table border="0"> <tr> <td>nominal pressure</td> <td>0 – 100 mbar to 0 – 600 bar</td> </tr> <tr> <td>accuracy (according to IEC 60770)</td> <td>0.25 / 0.35 % FSO</td> </tr> <tr> <td>characteristics</td> <td>up to 2 contacts, 4-digit LED-display in ball housing, rotatable and configurable display module</td> </tr> <tr> <td>pressure port</td> <td>inch and NPT threads</td> </tr> <tr> <td>option</td> <td>IS-version</td> </tr> <tr> <td>recommended for</td> <td>  </td> </tr> </table>	nominal pressure	0 – 100 mbar to 0 – 600 bar	accuracy (according to IEC 60770)	0.25 / 0.35 % FSO	characteristics	up to 2 contacts, 4-digit LED-display in ball housing, rotatable and configurable display module	pressure port	inch and NPT threads	option	IS-version	recommended for	  	 <p><b>Robust version</b> </p>	
nominal pressure	0 – 100 mbar to 0 – 600 bar													
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO													
characteristics	up to 2 contacts, 4-digit LED-display in ball housing, rotatable and configurable display module													
pressure port	inch and NPT threads													
option	IS-version													
recommended for	  													

ceramic sensor	universal applications	<b>SD 401</b>												
<table border="0"> <tr> <td>nominal pressure</td> <td>0 – 400 mbar to 0 – 600 bar</td> </tr> <tr> <td>accuracy (according to IEC 60770)</td> <td>0.5 % FSO</td> </tr> <tr> <td>characteristics</td> <td>up to 2 contacts, 4-digit LED-display in ball housing, rotatable and configurable display module</td> </tr> <tr> <td>pressure port</td> <td>inch and INPT threads</td> </tr> <tr> <td>option</td> <td>IS-version, pressure port PVDF</td> </tr> <tr> <td>recommended for</td> <td> </td> </tr> </table>	nominal pressure	0 – 400 mbar to 0 – 600 bar	accuracy (according to IEC 60770)	0.5 % FSO	characteristics	up to 2 contacts, 4-digit LED-display in ball housing, rotatable and configurable display module	pressure port	inch and INPT threads	option	IS-version, pressure port PVDF	recommended for	 	 <p><b>robust version</b> </p>	
nominal pressure	0 – 400 mbar to 0 – 600 bar													
accuracy (according to IEC 60770)	0.5 % FSO													
characteristics	up to 2 contacts, 4-digit LED-display in ball housing, rotatable and configurable display module													
pressure port	inch and INPT threads													
option	IS-version, pressure port PVDF													
recommended for	 													




# PRESSURE SWITCH

## with display

### stainless steel sensor

universal applications

**SD 200**



nominal pressure	0 100 mbar to 0 600 bar
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
characteristics	up to 4 contacts, 4-digit LED-display rotatable and configurable display module
pressure port	inch and NPT threads
option	IS-version,
recommended for	  



### stainless steel sensor, welded

medical technology, oxygen application

**SD 201**





nominal pressure	0 400 mbar to 0 600 bar
accuracy (according to IEC 60770)	0.5 % FSO
characteristics	up to 4 contacts, 4-digit LED-display rotatable and configurable display module
pressure port	inch and NPT threads
option	IS-version
recommended for	 



### stainless steel sensor, welded

medical technology, oxygen application






**SD 202**




nominal pressure	0 6 bar to 0 600 bar
accuracy (according to IEC 60770)	0.5 % FSO
characteristics	up to 4 contacts, 4-digit LED-display rotatable and configurable display module oxygen version
pressure port	inch and NPT threads
option	IS-version;
recommended for	   






high overpressure capability








<b>stainless steel sensor without media isolation</b>		<b>HVAC</b>	<b>SD 210</b>
nominal pressure	0 10 mbar to 0 1000 bar	 <p>low pressure </p>	
accuracy (according to IEC 60770)	0.35 % FSO		
characteristics	up to 4 contacts, 4-digit LED-display rotatable and configurable display module		
pressure port	inch and NPT threads		
option	IS-version,		
recommended for	  		





<b>stainless steel sensor, welded</b>		<b>hydraulics, oxygen application</b>	<b>SD 217</b>
nominal pressure	0 6 bar to 0 600 bar	 <p>OEM</p>	
accuracy (according to IEC 60770)	0.5 % FSO		
characteristics	up to 4 contacts, 4-digit LED-display rotatable and configurable display module		
pressure port	G 1/2", G 1/4", 1/4" NPT		
recommended for	 		

<b>ceramic sensor</b>		<b>pneumatics, hydraulics</b>	<b>SD 230</b>
nominal pressure	0 2 bar to 0 400 bar	 <p>OEM</p>	
accuracy (according to IEC 60770)	1.5 % FSO		
characteristics	up to 2 contacts, 4-digit LED-display, rotatable and configurable display module		
pressure port	G 1/4", 1/4" NPT		
recommended for	 		






# PRESSURE SWITCH

with display

<b>stainless steel sensor</b>		hygienic applications	<b>SD 200 P</b>
nominal pressure	0 100 mbar to 0 40 bar		
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO		
characteristics	up to 4 contacts, 4-digit LED-display rotatable and configurable display module		
pressure port	Inch thread (flush), dairy pipe, clamp		
option	cooling element up to 300 °C		
recommended for	  		

<b>ceramic sensor</b>		hygienic applications	<b>SD 201 P</b>
nominal pressure	0 60 bar to 0 400 bar		
accuracy (according to IEC 60770)	0.5 % FSO		
characteristics	up to 4 contacts, 4-digit LED-display rotatable and configurable display module		
pressure port	inch thread (flush)		
option	cooling element up to 300 °C		
recommended for	 		

high pressure

<b>stainless steel sensor</b>		hygienic applications	<b>SD 400 P</b>
nominal pressure	0 100 bar to 0 40 bar		
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO		
characteristics	up to 4 contacts, 4-digit LED-display rotatable and configurable display module		
pressure port	inch thread (flush), dairy pipe, clamp		
option	IS-version; Cooling element up to 300 °C		
recommended for	  		

hygienic design

# PRESSURE SWITCH

with display

The pressure switches SD 4 and SD 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.



## silicon sensor

pneumatics

**SD 4**

nominal pressure	0 1 bar up to 0 10 bar
contacts	1 or 2
pressure port	G 1/8" internal thread, M5 internal thread
characteristic	configurable via PC or programming device
application	 






compact version

## ceramic sensor

hydraulics

**SD 6**

nominal pressure	0 2 bar to 0 400 bar
contacts	1 or 2
pressure port	G 1/4"
option	oil and grease free, oxygen version
characteristics	configurable via PC or programming device
application	  



high pressure





## EVALUATION

DISPLAYS	35 – 37
DATA LOGGER	38

### 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

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- pressure and level measurement in biogas plants

---

- pressure regulation / monitoring of test stands

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## DISPLAYS

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), LEVELPRO 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

**AP 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)



with contacts

### field display

**AP 440**

display	4-digit LC-display
signal input	4 20 mA / 2-wire 0 10 V / 3-wire
option	IS-version up to 2 freely configurable contacts
dimensions	plastic housing 120 x 80 x 57 mm (W x H x D)  aluminum housing 125 x 80 x 57 mm (W x H x D)



with contacts



## DISPLAYS

### process display

**ITC 200**

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



### process display

**ITC 450**

display	4-digit LED display
signal input	0/4 20 mA, 1 5 V 0/2 10 V
option	signal input PT100 / PT 500 / PT 1000, up to 2 freely configurable contacts
dimensions	front panel housing 72 x 36 x 95 mm (W x H x D)



**with contacts**

### process display

**ITC 500**

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



**with contacts  
and analogue output**

process display

**ITC 350**

display	4-digit LED display, multicolor 20 segment bargraph
signal input	0/4 20 mA / 0/1 5 V 0/2 10 V
options	2 or 4 freely configurable contacts, analogue output
dimensions	front panel housing 48 x 96 x 98 mm (W x H x D)



with bargraph

process display

**ITC 400**

display	4-digit LED display
signal input	0/4 20 mA
option	IS-version, up to 4 limit value relays and 1 alarm relay
dimensions	front panel housing 72 x 72 x 110 mm (W x H x D) housing for hat rail and wall mounting 70 x 75 x 110 mm (W x H x D)



multichannel process display LCD

**ITC 600**

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



## DATA LOGGER

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

**ITC 650**

display	graphic LC display 128 x 64 pixel, background illuminated
signal input	max. 8 channels: 0 – 20 mA, 0 – 10V
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)



with data logger

### multichannel process display, TFT

**ITC 700**

**ITC 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 <sub>DC</sub> 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



with contacts and  
analogue outputs and data logger

functional range standard	<ul style="list-style-type: none"> <li>– configuration of max. 60 channels via inputs, outputs, mathematical / logical functions, controller, profiles or virtual outputs</li> <li>– allocation of clogged channels in 10 groups (max. 6 channels per group)</li> <li>– connection of channels via mathematical / logical functions</li> <li>8 integrated PD / PI / PID controller</li> </ul>
data logger	<ul style="list-style-type: none"> <li>– data logging of max. 60 channels</li> <li>– freely selectable measuring rate (max/ 10 Hz)</li> <li>– extensive trigger functions</li> <li>– internal memory 1.5 GB</li> </ul>



## NEW PRODUCTS

LEVELPRO 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. LEVELPRO uses ModBus RTU as communication protocol.






## SPECIAL DEVICES

### stainless steel sensor

universal applications

**CTD 331**

nominal pressure	0 100 mbar to 0 600 bar
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
output signal	RS 485 Modbus RTU
option	IS-versions compact field housing, flush pressure port
application	  



digital

SIL 

### strain gauge

oil and gas industry

**UH 300**

nominal pressure	0 5000 psi to 0 15000 psi
accuracy (according to IEC 60770)	0.5 % FSO
electrical connection	MIL/Bendix connection, cable outlet, Glenair (on request),
pressure port	WECO® 2" (1502) WECO® 2" (2002/2202)
application	



hammer union



### ceramic sensor

marine / shipbuilding / offshore

**PE 500**

nominal pressure	0 60 mbar to 0 20 bar
accuracy (according to IEC 60770)	0.2 % FSO
pressure port	G 1/4", hose connection
characteristics	with communication interface for offset, span and damping adjustment
application	



air bubbling





## NEW PRODUCTS

### ceramic sensor

environmental industry

**CTD 387**

nominal pressure	0 1 mH <sub>2</sub> O to 0 200 mH <sub>2</sub> O
housing material	stainless steel 1.4404 (316 L)
accuracy (according to IEC 60770)	0.25 / 0.35 % FSO
characteristics	digital output RS 485 Modbus RTU, high overpressure capability, suitable for water and sewage
option	R 1/2" thread for stainless steel pipe mounting
application	  



Ø 22 mm

digital

### silicon sensor

HVAC

**PSD 300**

differential pressure	0 0.5 mbar to 0 1000 mbar
accuracy (according to IEC 60770)	0.1 % FSO BFSL
option	LC display, automatic zero adjustment, contacts, square-root extraction
application	 






multirange differential  
pressure transmitter

### stainless steel sensor

hygienic applications

**MPD 331 Pi**

nominal pressure	0 400 mbar to 0 40 bar
accuracy (according to IEC 60770)	0.1 % FSO
characteristics	hygienic pressure connections (inch thread flush, dairy pipe, clamp), excellent temperature behavior, vacuum resistant
option	communication interface for offset, span and damping adjustment; cooling element
application	  



precision



## INDUSTRIES



### 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 LEVELPRO, 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

LEVELPRO 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. LEVELPRO 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

## INDUSTRIES



### 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.

LEVELPRO offers with its pressure transmitters, pressure switches and level probes the complete equipment for measurements under alternating conditions or for cyclic cleaning and sterilization for 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, LEVELPRO 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 control.



### 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, drillings rigs etc. LEVELPRO 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 over changing 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).

## 4 ADVANTAGES

### COMPETENCE

Industrial pressure measurement technology from 0.1 mbar up to 6000 bar

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

LEVELPRO has the right pressure measuring device at the right price.

### PRICE / PERFORMANCE

pressure measurement at the highest level

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

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

### RELIABILITY

projectable device times and strict observance of deadlines

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

LEVELPRO 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.

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

## INDUSTRIES



plant and machine engineering



chemical and biochemical industry



energy industry



renewable energy



semiconductor 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



water





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