

**Submersible pressure transmitter
for water level measurement
accuracy $\leq 0.5\%$, $\leq 0.25\%$, $\leq 0.1\%$
series EDN.366**



*all st. steel housing of wetted parts
with Declaration of Conformity, CE
IP68 with cable gland, certified*

General features

- Piezosistive Silicon Pressure Transmitters for industrial applications
- Pressure range from 0...20 mbar to 0...25 bar
- Ingress production IP68 certified
- Housing parts of stainless steel

Application area

- Hydrostatic pressure measurement
- Level measurement in vessel and storage systems
- Measurement of water or fuel storage tank level
- Sea water desalinization plants

General specification

Pressure ranges

From 0...20 mbar to 0...25 bar

Accuracy

included Linearity+Hysteresis+Repeatability

** measuring pressure less 1 bar, $\leq 0.25\%$

A4: $\leq \pm 0.5\%$ FS

A7: $\leq \pm 0.25\%$ FS

A9: $\leq \pm 0.1\%$ FS

Overpressure

1.3 X pressure range

Output type

4...20mA, 2-wire system

0...10V, 3-wire system

0...5V, 3-wire system

1...5V, 3-wire system

Power supply

Ref. power: DC 24V

Available power: DC 12...30V

Response time

$\leq 5\text{ms}$

Isolation

$> 100\text{M}\Omega$ at 100 VDC

Materials

Wetted parts: st. steel 316L

Sensor sealing: FKM

Body: st. steel 316L



Submersible pressure transmitter, EDN.366

Temperature range

Compensated temperature range: $-10^{\circ}\text{C} \dots 80^{\circ}\text{C}$

Operating: $-20 \dots 80^{\circ}\text{C}$

$-40 \dots +125^{\circ}\text{C}$ / option

Ambient: $-20 \dots 100^{\circ}\text{C}$

Storage: $-40 \dots 125^{\circ}\text{C}$

Thermal error

Zero thermal error: $\pm 0.75\%$ FS @ 25°C , typical

Span thermal error: $\pm 0.75\%$ FS @ 25°C , typical

Electrical connection

IP68 cable gland, st. steel

Pressure connection

End cap, st. steel

Protection

IP68 with cable gland

including atmosphere compensation tube inside

Cable

Polyethylene, PE cable

Polyethylene, PUR cable

End cap

4 holes on the side and 4 holes on the floor
connecting screw thread M12

Weight

Approx. 130g without cables



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Ordering information

Model code

EDN.366 · [] · [] · [] · [] · B [] · []

Accuracy

A4	≤ 0.5 % F.S
A7	≤ 0.25 % F.S
A9	≤ 0.1 % F.S

Output signal

O1	4...20mA / 2-wire system
O2	0...10V / 3-wire system
O3	0...5V / 3-wire system
O4	1...5V / 3-wire system

Electrical connection

PE	PE Cable
PUR	PUR Cable

Cable length / standard 5m

? m	Standard 5m + additionally
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Pressure range code, unit bar

Code	Range
	0...20 mbar
	:
R37	0...25 bar
RYY	on request

Option code

Code	Description
T4	-40...125 °C / operating temperature
RS	Restrictor screw in socket hole
NO	"USE NO OIL" for Oxygen application
PCA	Adapter
TP	St. steel tag plate, 60 x 20 x 0.5t
DMCC	Manufacture calibration certificate
KC	KOLAS Ilac-MRA calibration certificate
CC	Certificate of conformance / origin

※ Information

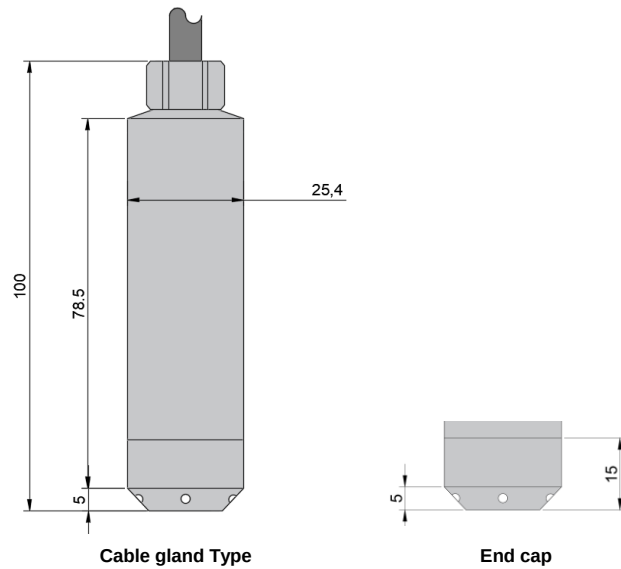
- EDN.366 제품은 기본적으로 사용자의 요구 사양에 따라 제작 공급되어지는 제품이다. 따라서, 케이블 길이는 기본 5m를 공급하며 추가 길이와 측정 압력 범위는 사용자의 요구에 의해 제작 공급한다.
- 케이블 길이는 사용자 요구 사양에 따라 길이가 정해지며, 케이블은 대기압 보상도선이 있는 특수 케이블로 제작된다. 제작 완료 후 또는 나중에 이미 공급된 케이블에 추가적인 연결이 불가능하므로 최초에 전체 길이를 정확하게 판단되어야 한다.
- 물이나 기름(비중)의 수심 깊이 또는 탱크 높이를 고려하여 측정 압력 범위를 정해야 하며, 이와 함께 케이블의 길이는 최종 연결지점까지의 전체 길이를 고려되어야 한다.

How to order

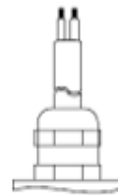
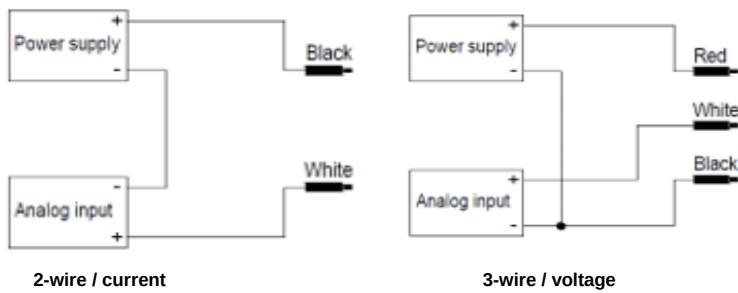
EDN.366.A4.O1.PE 20m.BR23

EDN.366, 0.5%, 4...20mA, PE cable 20m, 0...1 bar

Outline drawing



Pin assignment



	2-Wire	3-Wire
White	Output(mA)	Output(VDC)
Red		+Vcc
Black	+Vcc	GND