

**DESCRIPTION**

ALZ 2712 is a general purpose submersible hydrostatic level transmitter. High-quality ceramic tensoresistive sensor, and plastic housing make ALZ 2712 a great choice for the aggressive* and viscous media. ALZ 2712 reliable and cost-effective solution for a wide variety of industrial level measurement applications. The transmitter features a 27 mm diameter housing made of PVC or high-temperature polypropylene (PP-HT).

SPECIFICATIONS

Ranges: 0...6 mH₂O up to 0...100 mH₂O

Basic accuracy: ±0.5%

Probe: Ø27 mm, PVC, PP-HT

Outputs: 4...20 mA; 0...20 mA; 0...10 V; 0...5 V;

Sensor: ceramic piezoresistive

Media temperature: 0...+50 °C PVC; -20...+70 °C PP-HT

APPLICATIONS

Water

Viscous media

Aggressive media (*)

Sewage, waste water, sludge

Sea water

* please consult the manufacturer for particular media compatibility

Appearance, mounting kit contents and/or specifications are subject to change without prior notice. We are constantly working on further improvement of our products.
Delivery is subject to standard terms of delivery.
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TECHNICAL SPECIFICATIONS

MEASURING RANGES

Pressure range, bar	Level, mH ₂ O	Overpressure, bar	Burst pressure, bar
0...0.6	6	2	4
0...1	10	2	4
0...1.6	16	4	5
0...2.5	25	4	5
0...4	40	10	12
0...6	60	10	12
0...10	100	20	25

PERFORMANCE

Accuracy, % of span*	≤ ±0.5
Temperature effect (% of span / 10 °C)	≤ ±0.2
Compensated range	-20...+70 °C
Power supply effect	≤ ±0.05% of span / 10 V
Load resistance effect	≤ ±0.05% of span / kOhm
Long-term stability	≤ ±0.3% of span / year

* Accuracy includes non-linearity, hysteresis and non-repeatability.

OPERATING CONDITIONS

Medium temperature (depends on housing)	PP-HT: -25...+80 °C; PVC: -20...+50 °C; Stainless steel: -25...+80 °C
Ambient temperature	PP-HT: -25...+80 °C; PVC: -20...+50 °C; Stainless steel: -25...+80 °C
Cable service temperature (static applications)	PVC: -20...+70 °C PUR: -50...+70 °C
Storage temperature	PP-HT: -25...+80 °C; PVC: -20...+50 °C; Stainless steel: -25...+80 °C
Vibration resistance	10 g RMS, 20–2000 Hz
Shock resistance	100 g / 11 ms
Service life	> 100 x 10 ⁶ cycles

MECHANICAL SPECIFICATIONS

Housing	PVC; PP-HT
Seal	FKM; EPDM; NBR
Diaphragm	ceramic
Cable external jacket	PVC; PUR; FEP
Ingress protection	IP69K

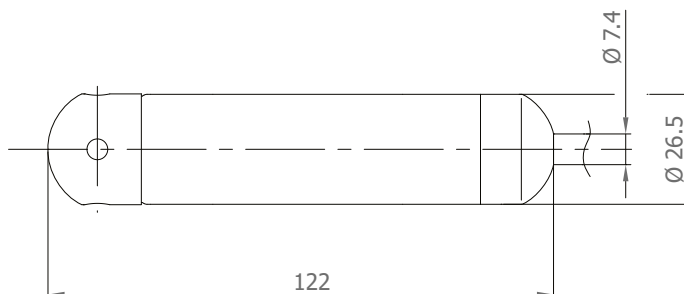
ELECTRICAL SPECIFICATIONS

Output signal	Power supply, U _s	Load resistance, R	Power consumption
4...20 mA / 3-wire	12...36 V	≤ 500 Ohm	≤ 26 mA
0...20 mA / 3-wire	12...36 V	≤ 500 Ohm	
0...10 V / 3-wire	12...36 V	> 10 kOhm	< 7 mA
0...5 V / 3-wire	12...36 V	≥ 5 kOhm	

ELECTRICAL CONNECTIONS / PIN ASSIGNMENT

Circuits		Cable gland wires
3-wire	power +	white (red)
	power –	brown (blue)
	signal +	green (black)
	ground	yellow-green

DIMENSIONS (mm)



ORDERING CODE

ALZ 2712		-X	-XXXX	-X	-X	-X	-X	-XX	// X	-XXXX
UNIT OF MEASUREMENT										
	bar	B								
	kg/cm ²	S								
	mH ₂ O	W								
	kPa	K								
	Other (specify when ordering)	X								
UPPER RANGE LIMIT (URL)										
bar, kg/cm ²		mH ₂ O		kPa						
0.6	0600	6	6000	10	1001					
1	1000	10	1001	16	1601					
1.6	1600	16	1601	25	2501					
2.5	2500	25	2501	40	4001					
4	4000	40	4001	60	6001					
6	6000	60	6001	100	1002					
10	1001	100	1002	160	1602					
Other	XXXX	Other	XXXX	Other	XXXX					
ACCURACY										
						0.50% (P ≤ 0.4 bar) (standard)	D			
						Other (specify when ordering)	X			
OUTPUT SIGNAL										
						4...20 mA / 3-wire	B			
						0...20 mA / 3-wire	C			
						0...10 V / 3-wire	D			
						0...5 V / 3-wire	E			
						Other (specify when ordering)	X			
SEALS										
						FKM	F			
						NBR	N			
						EPDM	E			
						Other (specify when order)	X			
HOUSING MATERIALS										
						PVC	P			
						PP-HT	H			
VERSION										
						Standard	00			
						Pt100 temperature sensor	0T			
						Other (specify when ordering)	XX			
CABLE EXTERNAL JACKET										
						PVC	P			
						PUR	U			
						FEP	T			
						Other (specify when ordering)	X			
CABLE LENGTH										
						Any length in meters (e.g., 010M means 10 meters)				XXXM

Example: ALZ 2712-W-6000-D-B-F-00 // P-010M

ACCESSORIES

				
Anchoring clamp for submersible transmitter	PZ 1024 Power supply unit	BZ 05 / BZ 10 Dry air junction box for submersible transmitters		