SUBMERSIBLE TRANSMITTER RTC28

The Submersible Transmitters RTC28 measure and monitor liquid levels in industrial and communal ***hydrostatic applications.***
The built-in silicon element designed in-house offers ***great accuracy, excellent long term stability*** and ***very low temperature drift***. The compact transmitter design allows versatile application.

- ***Excellent long term stability***
- ***Very low temperature drift***
- ***Measuring ranges from 0,2 to 10 bar***
- ***Compact design***
- ***Relative or absolute pressure***
- ***Long service life***
- ***High accuracy***
- ***Conformity to ä standards***



The transmitters are available as ***relative or absolute pressure types***, and as 2-wire ***4...20 mA current output*** or as 3-wire ***0...10 V voltage output*** models with 12V or 16...30 VDC power supply.

Applications

The transmitters can be used for a wide range of applications in the area of liquid level and general level measurement, monitoring and control.

Examples

- Liquid level measurement in storage tank installations without lateral access
- Ground water monitoring in both the communal and industrial areas
- Water and waste water treatment
- Water reservoirs
- Trenches
- Well and borehole probe
- Marine research

000-087e-07.00 (DBA4.50e-07.00)

All information is the best representation of actual knowledge. All data is subject to change. Kristal does not assume any liability arising out of the application or use of any product or circuit described herein.

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Technical Data

Absolute Pressure Transmitter*

Range	barabs.	1	2	5	10
Overload	barabs.	4	7	15	30

Relative Pressure Transmitter

Range	barrel.	0,2	0,5	1	2	5	10
Overload	barrel.	2,5	3	4	7	15	30

	Current Output		***Voltage Output***	
Full scale output	20mA	±0,5%	10V	±0,5%
Zero	4mA	±0,05	0V	+0,05
Connection	2-wire technique		3-wire technique	
Power supply	12...30VDC		16...30VDC	
Burden resistance	0...900Ω			
Load resistance			>500kΩ	
Linearity, Hysteresis and Repeatability at 25°C	%FSO**		≤±0,25	

Connecting cable	integrated cable with venting tube of PE. Cable diameter: ∅8mm Weight per meter: ca. 73g The basic submersible transmitter includes the cable length specified. Other cable length are available on request.
Materials: of wetted parts	Diaphragm and body of stainless steel 1.4435 Protective cap of POM (Delrin®) Cable gland of stainless steel, IP68 to 10 bar

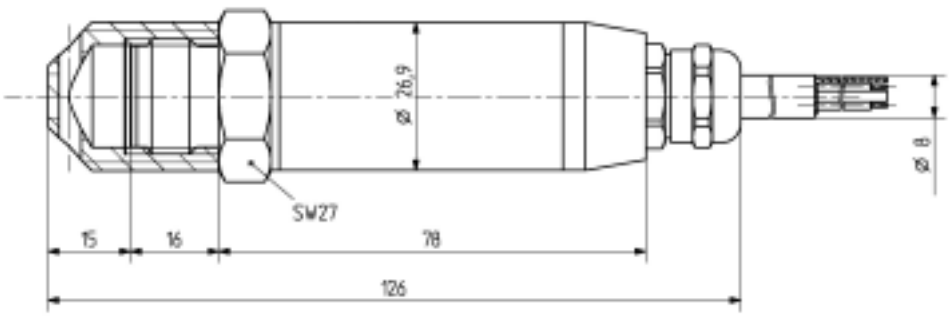
** Detailed information according to data sheet A4.11e

Other technical data according to data sheet A4.11e (K-LINE Transmitter)

Ordering code

RTC28	x	xx	x	xx		***Submersible Transmitter***
	A	.....				***Absolute pressure**** ***(on request only)***
	R	.....				***Relative pressure***
		0,2	.....			***Measuring range, Cable 7 m***
		0,5	.....			***Measuring range, Cable 10 m***
		1	.....			***Measuring range, Cable 20 m***
		2	.....			***Measuring range, Cable 30 m***
		5	.....			***Measuring range, Cable 60 m***
		10	.....			***Measuring range, Cable 120 m***
		xxx	.....			other measuring ranges on request
			B	.....		***bar***
			x	.....		other engineering units on request
				C1	.....	***4...20mA***
				V1	.....	***0...10V***
				xx	.....	other output signals on request

Dimensions



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