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sensors worldwide

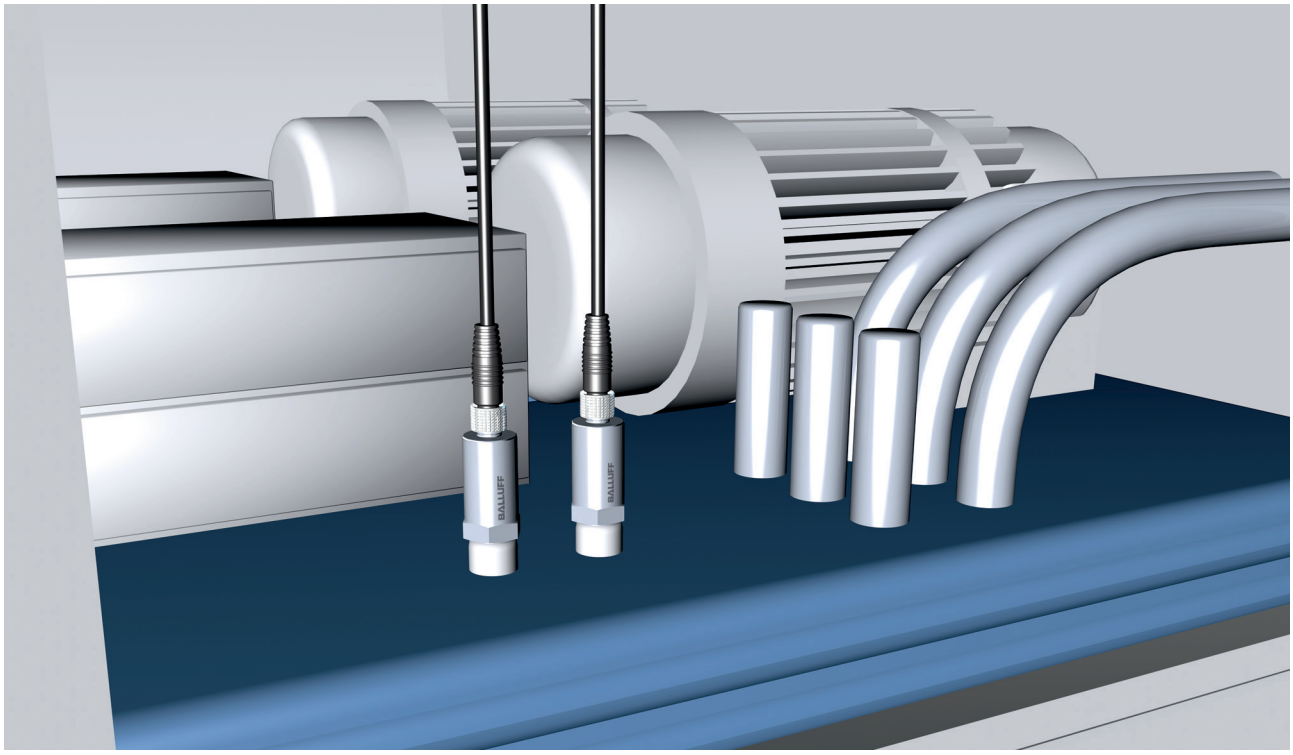
Pressure transmitter BSP with IO-Link interface

Continuous measurement transmission via IO-Link and additional switching points in SIO mode

- Compact
- High degree of protection in IP 67 and IP 69K
- Stable measurement independent of the surface properties thanks to TOF technology
- Short downtimes
- Temperature range –25 to +80 °C



Compact pressure transmitters mean continually reliable pressure reading. They are space-saving and are installed directly where the action is. Pressure transmitters from Balluff feature an outstanding price-performance ratio and solve a variety of tasks in factory automation. The IO-Link interface makes all the information available to the PLC and for the diagnostics system. SIO mode turns the BSP transmitter into a pressure switch with a freely selectable switching point.



PR1P_Fluid Sensors_01_2015_BSP IOL Transmitter_10.12.2015_Global (en) For definitions of terms, see main catalog Subject to change

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Product group			Pressure sensor	Pressure sensor	Pressure sensor
Process connection			G 1/4“ per DIN 3852	1/4“ NPT	R1/4“
1 x PNP	-1...2 bar	Order code			
		Part number	PO_BSP V002-DV004-D06S1A-S4	PO_BSP V002-FV004-D06S1A-S4	PO_BSP V002-KV004-D06S1A-S4
	5 bar	Order code	BSP00PM	BSP00T8	BSP00UH
		Part number	BSP B005-DV004-D06S1A-S4	BSP B005-FV004-D06S1A-S4	BSP B005-KV004-D06S1A-S4
	20 bar	Order code	BSP00PP	BSP00TA	BSP00UK
		Part number	BSP B020-DV004-D06S1A-S4	BSP B020-FV004-D06S1A-S4	BSP B020-KV004-D06S1A-S4
	50 bar	Order code	BSP00PR	BSP00TC	BSP00UL
		Part number	BSP B050-DV004-D06S1A-S4	BSP B050-FV004-D06S1A-S4	BSP B050-KV004-D06S1A-S4
	250 bar	Order code	BSP00PU	BSP00TF	BSP00UN
		Part number	BSP B250-DV004-D06S1A-S4	BSP B250-FV004-D06S1A-S4	BSP B250-KV004-D06S1A-S4
	600 bar	Order code	BSP00PY	BSP00TJ	BSP00UR
		Part number	BSP B600-DV004-D06S1A-S4	BSP B600-FV004-D06S1A-S4	BSP B600-KV004-D06S1A-S4
Supply voltage			12...32 V	12...32 V	12...32 V
Connection type			Plug	Plug	Plug
IO-Link Specification			1.1	1.1	1.1
Connector type			M12x1	M12x1	M12x1
Housing material			Stainless steel 1.4301	Stainless steel 1.4301	Stainless steel 1.4301
Enclosure Type per IEC 60529			IP67	IP67	IP67
Output curve deviation max.			±0.5 % FSO BFSL	±0.5 % FSO BFSL	±0.5 % FSO BFSL
Additional text			vacuum-proof	vacuum-proof	vacuum-proof

Find additional products at: www.balluff.com.

Connectors






Description	Connector/cable	Connector/cable	Connector/cable	Connector/cable
Order code	**BCC032F**	**BCC032H**	**BCC032Y**	**BCC032Z**
Part number	BCC M415-0000-1A-003-PX0434-020	BCC M415-0000-1A-003-PX0434-050	BCC M425-0000-1A-003-PX0434-020	BCC M425-0000-1A-003-PX0434-050

Services



You can rely on our support over the entire life cycle of our products and solutions: Including the design and planning of your projects, testing and setup on site, and training and support. For more information, visit us online at **www.balluff.com/services**

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